




K. S. INSTITUTE OF TECHNOLOGY

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Faculty Name	Dr. Swathi K	
Designation	Assistant Professor	
Educational Qualification	Ph.D	
Experience in Years	7.5	
Areas of Interest	Data Science, Computer Networks, Software Engineering, IoT	
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Educational Details

Examination/ Degree	College / University	Year of Passing
Ph.D	Visvesvaraya Technological University	2020
M.Tech(CSE)	East West Institute of Technology, VTU	2014
B.E(CSE)	K.S.Institute of Technology, VTU	2012

Publications

Journal Publications

1. International Journal of Management, “**An Empirical Analysis of Security in SME’S in Bengaluru**”, Volume 11, Issue 11, November 2020, pp. 2388-2395, ISSN Online: 0976-6510.
2. International Journal of Advanced Research in Engineering and Technology, “**Study of Software Security Measures Adaption in SME’S in Bengaluru**”, Volume 11, Issue 11, November 2020, pp. 2170-2177, ISSN Online: 0976-6499.
3. International Journal of Recent Technology and Engineering, “**Analysing the Adaptability of software defect prediction in small software firms**” ISSN: 2277-3878, Volume-8, Issue-1C, PP:53-59, May 2019.

4. International Journal of computer sciences and engineering open access, “**Software Defect Prediction using Data Mining Techniques**”, May 2019.
5. Journal of Advancement of Computer Technology and its Applications, “**Frequency Distribution for Software Defect Prediction**”, HBRP Publication, Volume 1, Issue 3 , PP: 19-22, September 2018.
6. Journal of Recent Trends in Information Technology and its Applications, “**Analysis of Variance Carried Out For Software Defect Prediction**”, HBRP Publication, Volume 1, Issue 3 , PP: 15-18, September 2018.
7. Journal of Advancement in Software Engineering and Testing, “**Chi Square Test for Software Defect Prediction**”, HBRP Publication, Volume 1, Issue 3 , PP: 8-11, September 2018.
8. Journal of Advancement in Software Engineering and Testing “**Factor Analysis in Software Defect Prediction**”, HBRP Publication, Volume 1, Issue 3 , PP: 1-7, September 2018.
9. “**Software Predictive Classification Using Relational Association Rules and Naive Bayes Approach**”, International Journal of Computing, Communications and Networking, ISSN 2319-2720, Volume 7, No.2, April–June 2018.
10. “**Survey on Software Defect Prediction for Quality Optimization**”, International Journal of Engineering Research (IJOER), ISSN: 2321-7758, Volume-5, S1, PP: 28-34, June 2017.
11. “**Detail Survey On Parallel Corpora Generation Techniques**”, International Journal of Control Theory and Applications (IJCTA), ISSN: 0974-5572, Volume-10, Number 24, PP: 357-366, 2017.
12. “**Education Data Mining: Perspectives of Engineering Students**”, International Journal of Innovative Research in Computer Science & Technology (IJIRCST), ISSN: 2347-5552, Volume-4, Issue-5, PP: 141-143, September 2016.

13. **“Survey on Challenges in DevOps”**, International Journal of Innovative Research in Computer Science & Technology (IJIRCST), ISSN: 2347-5552, Volume-4, Issue-5, PP: 137-140, September 2016.
14. **“A Study on Impact of Cognitive Behavior Therapy On Emotional Competence and Academic Performance”**, International Journal of Engineering Studies and Technical Approach (IJESTA), ISSN: 2395-0900, Volume-02, Issue No. 9, PP: 11-14, September 2016.
15. **“Survey On Long-Term Product Planning and Requirements Prioritization to Customer Value Creation”**, International Journal of Engineering Research & Science (IJOER), ISSN: 2395-6992, Volume-2, Issue-6, PP: 88-90, June 2016.
16. **“A Survey On Approaches for Predicting Performance of Students”**, International Journal of Engineering Research & Science (IJOER), ISSN: 2395-6992, Volume-2, Issue-6, PP: 75-82, June 2016.
17. **“Survey On Software Defect Prediction”**, International Journal on Advanced Technology in Engineering and Science(IJATES), ISSN: 2348-7550, Volume-03, Issue-S.I(01), PP:800-803, September 2015.
18. **“Smart Bag with Alert System”** , Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2348-1439, Volume-6, Issue 4, PP: 572-581, April 2019.
19. **“The Prediction of Myocardial Infarction for Heart Patients”**, Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, Volume-6, Issue 4, PP: 564-571, April 2019.
20. **“Survey On Mobile Applications Related To Pharmaceutical Industry and Healthcare”**, International Journal for Research in Technological Studies (IJRTS), ISSN: 2348-1439, Volume-5, Issue 4, PP: 36-39, March 2018.
21. **“Motion Detection Using Raspberry PI For Embedded Surveillance”**, NaCoNIM-2017, ES_002, ISBN: 978-81-929425-1-3, PP: 78-81, May 2017.

Conference Papers

1. 5 Days Web Conference on “**Intellectual Property Rights and Innovation**” Supported by All India Council for Technical Education, New Delhi In association with Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science Campus, Bengaluru & Cell for IPR Promotion and Management (CIPAM), DPIIT, Government of India, New Delhi, Organized by EWIT, Bengaluru from 23/06/2020 to 27/06/2020.
2. International E-Conference on “**Impact of Covid-19 on Society, Economy & Environment: Challenges, Solution & Possibilities**” organized by MJD Govt. College Taranagar, Churu (Rajasthan) from 13/06/2020 to 14/06/2020.
3. Second International Conference on **Emerging Trends In Science & Technologies For Engineering Systems** (ICETSE-2019) held at SJCIT , Chickaballapur from 17/05/2019 to 18/05/2019
4. 2nd International Conference on **Advances in Communication, Information & Computing Technology** (ACICT – 2019) held on 9th - 10th May 2019 at EWIT, Bengaluru.
5. “**An Efficient Machine Translation Model for Dravidian Language**” in the IEEE International Conference On Recent Trends In Electronics Information Communication Technology, May 19-20, 2017, India.
6. “**Survey On Software Defect Prediction For Quality Optimization**” in the National Conference on Emerging Trends in Engineering & Technology and Applied Research (NCETAR-17) Organized by M.S. Engineering College, Bengaluru held at MSEC Campus on 19th May 2017.
7. “**An IOT Based Appliances Control For Smart Homes**” in the National Conference on Innovation & Research in Information Technology (IRIT-2017) Organized by New Horizon College of Engineering , Bengaluru on 18th May 2017.
8. “**Motion Detection Using Raspberry PI For Embedded Surveillance** ” in the National Conference on Networking, Image Processing & Multimedia (NaCoNIM-2017) Organized by K.S.Institute of Technology, Bengaluru held at KSIT Campus on 10th, 11th and 12th May 2017.

9. **“Survey On Software Defect Prediction”** in the 2nd International Conference on Science , Technology and Management (ICSTM) held at Delhi University, Conference Center, New Delhi, on 27th September 2015.
10. **“Implementation of Performance Evaluation of AOMDV using QualNet”** in the 4th National Conference on Emerging Trends in Engineering Technology (ETET 2015) held at Jyothy Institute of Technology, Bengaluru, on 20th and 21st February 2015.
11. **“Performance Evaluation of Reactive Routing Protocols using QualNet”** in the National Conference on Electrical & Electronics Engineering (NCEEE 2014) held by Department of EEE, HKBKCE, VTU-Belagavi & IEEE-HKBKCE Student Chapter, Bengaluru, on 5th June 2014.

Text Books

1. **Text Book** on **“Reduction Of Cycle Time By Implementing Value Stream Mapping”**, 978-613-4-99918-2, January 2018, Published by Lambert Publications, Germany.
2. **Text Book** on **“Optimization of Rejection Rate of Bushes by Implementing FMEA”**, 978-613-4-94868-5, December 2017, Published by Lambert Publications, Germany.
3. **Text Book** on **“An Adoptive Model for Lean software Development”**, 978-3-659-95078-0, September 2016, Published by Lambert Publications, Germany.

Patents

1. Intellectual Property India (<http://ipindia.nic.in/index.htm>)

Application Number: **202041045225**

Date of Filing: **16/10/2020**

Publication Date: **13/11/2020**

Title of Invention: **“Interpersonal Skills Score Card for Students using Artificial Intelligence and Methods thereof”**

Awards

NA

Professional Membership

NA

Contact Details

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