


<b>Faculty Name</b>	<b>Dr. Samitha Khaiyum</b>	
<b>Designation</b>	<b>Associate Professor</b>	
<b>Educational Qualification</b>	MCA.,M.Phil.,Ph.D.,	
<b>Experience in Years</b>	<b>13</b>	
<b>Area of Interest</b>	Software Engineering for Embedded Systems	
<b>Email-ID</b>	Samitha-mcavtu@dayanandasagar.edu	

## **Publications:**

1. Bishwajit Pal, Samitha Khaiyum and Y.S. Kumaraswamy , **“Integrating Hybrid FMEA Methodology with Path Planning Decisions in Autonomous Vehicles”**, International Conference on Data Engineering and Communication Technology (ICDECT) held during March 10–11, 2016 at Lavasa, Pune, Proceedings of the International Conference on Data Engineering and Communication Technology, Advances in Intelligent Systems and Computing 468, © Springer Science + Business Media Singapore 2017, DOI 10.1007/978-981-10-1675-2\_73.
2. Fallon Fernandes, Dyamakka Kalaburgi, Dr. Samitha Khaiyum, **“An Investigation on quality model and attributes for embedded systems”**, National conference on convergence of science, technology & management- NCCSTM 2016, Dayanada Sagar Academy of Technology & Management, May 05th 2016.
3. Samitha Khaiyum, Dr. Y S Kumaraswamy, Dr. K Karbasappa, **“Pattern analysis of phase wise occurrence, severity and detection of failures in real time embedded projects”**, Int. J. Productivity and Quality Management, IJPQM, Inderscience Publishers. 2016 Vol.17, No.1, pp.36 – 60.
4. Samitha Khaiyum, Dr. Y S Kumaraswamy, **“Integration of FMEA and FTA for Effective Failure Management in Real Time Embedded Projects”**, International Journal of British, ISSN: 2349-9419, Volume 1 2014 Issue 3 SEP-OCT IJBRITISH.
5. Samitha Khaiyum, Bishwajit Pal, Dr. Y S Kumaraswamy, **“An approach to utilize FMEA for autonomous vehicles to forecast decision outcome”**, Publisher: Springer International

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6. Samitha Khaiyum, Dr. Y S Kumaraswamy, Dr. K Karbasappa, “Significance of FMEA to improve reliability of software projects”, IJERT, DST sponsored National Conference on Software Engineering, 20 - 21 February 2014.
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9. Samitha Khaiyum, Dr. Y S Kumaraswamy, Dr. K Karbasappa, “**Classification of failures in real time embedded projects**”, International Journal of Systemics, Cybernetics and Informatics (IJSCI), ISSN 0973-4864, International Conference on Systemics, Cybernetics and Informatics, Pentagram, Hyderabad, 3-6 Feb 2014.
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11. Samitha Khaiyum, Dr. Y S Kumaraswamy, “**An Effective Method for the Identification of Potential Failure Modes of a System by Integrating FTA and FMEA**”, Publisher: Springer International Publishing, ICT and Critical Infrastructure: Proceedings of the 48th Annual Convention of Computer Society of India- Vol I, Advances in Intelligent Systems and Computing Volume 248, 2014, pp 679-686, Conference: Visakhapatnam, India, 13 - 15 December 2013  
[http://link.springer.com/chapter/10.1007%2F978-3-319-03107-1\\_74](http://link.springer.com/chapter/10.1007%2F978-3-319-03107-1_74).

12. Samitha Khaiyum, Dr. Y S Kumaraswamy, “**Improvising the Security of Software Application by the Use of Fault Tree Analysis in Decision Making**”, ISBN: 973-93-80869-27-5, Jan-Dec 2012, <http://www.ijcaonline.org/specialissues/accthpca/number3/7569-1023>.
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15. Samitha Khaiyum, Dr. Y S Kumaraswamy, “**Failure modes in Embedded systems and its prevention**”, International Journal of Information Technology, Engineering and Sciences, ISSN 2249-0515, Volume 1, Numbers 1-2, Jan-Dec 2011.
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18. Samitha Khaiyum, Dr. Y S Kumaraswamy, “**SAN vs NAS Technologies**”, International Conference on Computer Science. Information Technology, R L Jalappa Institute, Bangalore.
19. Samitha Khaiyum, Dr. Y S Kumaraswamy, “**Evolution of Mobile Technology from 1G to 3G**”, ACWIN 10 National Conference on Advanced Computing and Wireless networks, HKBK College, Bangalore, April 29,30,2010.
20. Samitha Khaiyum, Dr. Y S Kumaraswamy, “**Risk Management in eBanking**”, Convergence of Science and Engineering in education and Research. DSCE, Bangalore, April 21-23, 2010.

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