CURRICULUM VITAE

Personal data

Dr. P.S. Divya
Assistant Professor
Department of Mathematics
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Education

Ph. D (Mathematics)-Mathematical Modelling	
Karunya Institute of Technology and Sciences, Coimbatore, India.	2019
M. Phil (Mathematics)-Fuzzy Topology	
Avinashilingam Deemed University, Coimbatore, India.	2006
M. Sc., (Mathematics)	
Avinashilingam Deemed University, Coimbatore, India.	2005
B. Sc., (Mathematics)	
Avinashilingam Deemed University, Coimbatore, India.	2003

Research focuses/Title of dissertation

Focuses: Mathematical and Statistical Modelling, Predictive Analytics and Machine Learning.
Title of thesis: Design and Development of Mathematical Models for Wind Energy System.

Ph. D Guidance

Ongoing-1

Teaching

Since Jan 2009	Assistant Professor, Department of Mathematics, Karunya University, Coimbatore-114
June 2007-Dec 2008	Lecturer, Department of Mathematics, Karunya University, Coimbatore-114

Journal Publications (Selected), Scopus-10, UGC - 2

1. Minimization of the Wind Turbine Cost of Energy through Probability Distribution Functions, **Springer Innovations in Communication and Computing**, (2021), pp. 25-32. (SCOPUS Indexed).
2. Mathematical Modeling of IOT-Based Health Monitoring System, **Internet of Medical Things**, (2021), pp.1484-1489. (SCOPUS Indexed).
2. A Statistical Analysis of transformation Methods for wind power curve modelling, **International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)**, Vol.9, Issue 2 (2019), pp. 39-51. (SCOPUS Indexed).
3. Analysis of mathematical modelling for renewable energy in a real time system, **International Journal of Mechanical Engineering and Technology (IJMET)**, Vol.9, Issue 2, (2018), pp.1322-1328. (SCOPUS Indexed).
4. Analysis of transformation methods for mathematical modeling of wind resource, **International Journal of Engineering & Technology (IJET)**, Vol.7 (3.29), (2018), pp.428-432. (SCOPUS Indexed).
6. Asic Analysis of Quasi Cycle Low Density Parity Check (QCLDPC) Decoder using 45 NM Technology, **International Journal of Applied Engineering Research (IJAER)**, Vol. 10, No.71 (2015), pp.223-235. (SCOPUS Indexed).

Awards and Honors: Best Poster Award, Karunya University, 2017.

Resource person:
Paper presentation: International-**3**, National-**2**
Guest lecture delivered: **3**