RAYALASEEMA UNIVERSITY

(A State University Established by Govt. of Andhra Pradesh)

(Accredited by NAAC with 'B' Grade)

KURNOOL – 518007, ANDHRA PRADESH

FACULTY PROFILE

1	**Name of the Faculty**	:	**DR. Y. RAGHUNATHA REDDY**		
2	**Designation**	:	**COORDINATOR & ASST. PROFESSOR (C)**		
3	**Department**	:	**OR & SQC**		
4	**Date of Birth**	:	**01.06.1975**		
5	**Date of Joining**	:	**01.08.1998**		
6	**Academic Qualifications**		**UG Degree**	**PG Degree**	**Research Degree**
	Name of the Degree	:	**B.A.,**	**M.Sc.,**	**Ph.D.**
	Class / Grade Awarded	:	**I Class**	**I Class**	**-**
	Board / University	:	**SK University**	**SK University**	**SK University**
	Year of receiving Degree	:	**1996**	**1998**	**2004**
7	**Areas of Specialization**	:	**SQC & Reliability**		
8	**Total Experience (Yrs.)**	:	**Teaching**	**Industry**	**Total**
			26	**-**	**26**
9	**Papers Presented**	:	**National**	**International**	**Total**
			2	**18**	**20**
10	**Research Publications**	:	**Journals**	**Conferences Proceedings**	**Books / Chapters**
	National Level	:	**3**	**1**	**-**
	International Level	:	**38**	**3**	**2**
11	**Participation in**		**Seminars**	**Conferences**	**Workshops**
	National Level	:	**--**	**--**	**27**
	International Level	:	**--**	**12**	**03**
12	**Ph.Ds. / Projects Guided**	:	**Completed:**	**04**	**Ongoing:** **-**
13	**Research Projects handled**	:	**Major:**	**-**	**Minor:** **-**
14	**Fellowships / Memberships**	:	• Life member, **Society of Quality, Reliability and IT**, New Delhi • Member of Reviewer panel, **Academic Science** (ISSN No: 2347-8616, 2347-8527). • Editorial Board member, **Institute for Exploring Advances in Engineering International Journals**. • Member of Editorial Board in the **International Journal of Latest Technology in Engineering, Management & Applied Science** (IJLTEMAS) an Imprint of Research and		

			Scientific Innovation Society. • Review Member of **Journal of Emerging Technology and Innovative Research** (ISSN No: 2349-5162).
15	**Awards / Achievements / Any other information**	**:**	❖ University First Rank in Post Graduate [M.Sc.,] Degree Examinations. . ❖ Serving as Assistant Director, Directorate of Research Studies, RU, Kurnool. ❖ Served as University College Officer for Higher Education Survey, Ministry of Human Resource Development. ❖ Served as Coordinator, PG Examinations valuation, Rayalaseema University, Kurnool ❖ Served as University NSS Programme Officer from 2011 to 2013.
16	**Contact information**	**:**	**Mobile**: **8985858282** **Email ID**: **drraghuy@gmail.com**
17	**List of Publications /Chapters/Books** **(APA Format)**		• Dr. Y. Raghunatha Reddy, et.al., (2007). Availability and frequency measures of a two-unit system with CCS failures and human errors. *International Journal of Agricultural Statistical Sciences*, *3*(2), 507–516. • Dr. Y. Raghunatha Reddy, et.al., (2008). Availability for three-component system with CCS failures and human error. *Proceedings of RTIMES*. Allied Publishers. • Dr. Y. Raghunatha Reddy, et.al., (2008). Availability and frequency measures of a two-unit non-identical parallel system. *International Transactions in Mathematical Sciences and Computer*, *1*(1), 95–102. • Dr. Y. Raghunatha Reddy, et.al., (2008). Reliability analysis for a two-unit system with CCS failures and human error. *International Journal of Physical Sciences, Ultra Scientist of Physical Sciences*, *20*(3M), 795–800. • Dr. Y. Raghunatha Reddy, et.al., (2009). Reliability indices for a three-unit system in the presence of chance CCS failures. *International Journal of Agricultural Sciences*, *5*(1), 297–304. • Dr. Y. Raghunatha Reddy, et.al., (2010). Some reliability measures for a three-component system in the presence of CCS failures and human error. *Journal of Interdisciplinary Mathematics*, *13*(2), 143–151. • Dr. Y. Raghunatha Reddy, et.al., (2010, July). Design and optimization of an integrated reliability redundancy system with multiple constraints. *Proceedings of the 2nd IEEE International Conference on Reliability, Safety, and Hazard*, Bombay. • Dr. Y. Raghunatha Reddy, et.al., (2010). Availability measures for a three-component system with human errors and CCS failures. *International Journal of Computer Science and Research, 1*(1), 15–21. • Dr. Y. Raghunatha Reddy, et.al., (2011). Optimization of an integrated reliability redundant system with multiple constraints. *Journal of the Indian Society for Probability and Statistics*, 65–72. • Dr. Y. Raghunatha Reddy, et.al., (2012). Estimation of the reliability measures of a three-component system with human errors and common cause failures. *International Journal of Computer Applications, 49*(18), 22–28.

			• Dr. Y. Raghunatha Reddy, et.al., (2012). Evaluation of system availability and frequency of failures with lethal and nonlethal CCS failures by ML estimation. *International Journal of Engineering Science and Technology, 4*(6). • Dr. Y. Raghunatha Reddy, et.al., (2012). Analysis of *k*-out-of-*n* redundant reliability system with multiple constraints. *MR International Journal of Engineering and Technology, 4*(2). • Dr. Y. Raghunatha Reddy, et.al., (2012). Maximum likelihood estimation for availability measures of a three-component identical system in the presence of human errors and CCS failures. *American Journal of Mathematics and Statistics, 2*(6), 191–198. • Dr. Y. Raghunatha Reddy, et.al., (2013). Change point method with Weibull distribution. *MR International Journal of Engineering and Technology, 5*(2). • Dr. Y. Raghunatha Reddy, et.al., (2016). The performance of control charts and CUSUMs under linear trend with Weibull distribution. *International Journal of Advanced Multidisciplinary Research, 3*(4). • Dr. Y. Raghunatha Reddy, et.al., (2016). A study on dental caries. *International Journal of Research Excellence in Management, 4*(1). • Dr. Y. Raghunatha Reddy, et.al., (2017). Solution of integer LPP with triangular fuzzy numbers. *International Journal of Engineering Science & Research Technology, 6*(3). • Dr. Y. Raghunatha Reddy, et.al., (2017). Fuzzy linear problem solution using lower bound and upper bound technique. *International Journal of Mathematics and Physical Sciences Research, 5*. • Dr. Y. Raghunatha Reddy, et.al., (2017). Estimation of reliability indices of a two-component identical system in the presence of CCS. *International Journal of Latest Technology in Engineering, Management & Applied Science, May 2017*. • Dr. Y. Raghunatha Reddy, et.al., (2017). Goal programming – The means for optimization of sales allocation. *IOSR Journal of Mathematics (IOSR-JM), 13*(2), 1–4. • Dr. Y. Raghunatha Reddy, et.al., (2017). An AHP-based weighted goal programming model for financial management of a healthcare system. *International Journal of Mathematics and Its Applications, 5*(3B). • Dr. Y. Raghunatha Reddy, et.al., (2017). Planned weighted goal programming for loan sanctioning. *International Journal of Engineering Sciences & Research Technology, 6*(5). • Dr. Y. Raghunatha Reddy, et.al., (2017). Optimization of media mix planning in a healthcare system by an AHP-based goal programming model. *International Journal of Trend in Scientific Research and Development, 1*(4). • Dr. Y. Raghunatha Reddy, et.al., (2017). A study on teaching effectiveness of mathematics. *International Journal of Trend in Scientific Research and Development, 1*(4). • Dr. Y. Raghunatha Reddy, et.al., (2017). Goal programming model for financial management of a healthcare system. *International Journal of Mathematical Archive, 8*(6). • Dr. Y. Raghunatha Reddy, et.al., (2017). An AHP approach

			to assess hospital websites. *International Journal of Trend in Scientific Research and Development, 1*(5). • Dr. Y. Raghunatha Reddy, et.al., (2017). Agricultural land apportionment through goal programming. *International Journal of Scientific Research in Science and Technology, 3*(8). • Dr. Y. Raghunatha Reddy, et.al., (2018). Human resource planning through goal programming in a software industry. *International Journal of Research and Analytical Reviews (IJRAR), 5*(4). • Dr. Y. Raghunatha Reddy, et.al., (2018, March). A goal programming approach for an effective financial budget. *OPSEARCH*. Manuscript Number: OPSE-D-18-00038. • Dr. Y. Raghunatha Reddy, et.al., (2019). A mathematical model for effective disbursement of scholarship bills through goal programming. *Journal of Emerging Technologies and Innovative Research (JETIR), 6*(1). • Dr. Y. Raghunatha Reddy, et.al., (2019). Estimation of reliability indices of a two-component identical parallel system in the presence of CCS. *Journal of Emerging Technologies and Innovative Research (JETIR), 6*(6). **Conference Proceedings:** • Dr. Y. Raghunatha Reddy, et.al., (2001). A two-unit non-identical parallel system with common cause shock failures. *Proceedings of NCMCM*. Allied Publishers. • Dr. Y. Raghunatha Reddy, et.al., (2004). Availability and frequency of failures of two-component non-identical system. *Proceedings of APORS-2004*. Allied Publishers, New Delhi. • Dr. Y. Raghunatha Reddy, et.al., (2011). Estimation of non-linear trend through CUSUM charts. *Proceedings of Productivity, Quality, Reliability, Optimization, and Modeling*. Allied Publishers, New Delhi. • Dr. Y. Raghunatha Reddy, et.al., (2011). Redundancy optimization of a series-parallel system using the ant colony optimization technique. *Proceedings of Productivity, Quality, Reliability, Optimization, and Modeling*. Allied Publishers, New Delhi. • Dr. Y. Raghunatha Reddy, et.al., (2011). Stochastic analysis of a three-component non-identical system under the influence of two kinds of CCS. *Proceedings of Productivity, Quality, Reliability, Optimization, and Modeling*. Allied Publishers, New Delhi.
18	**Profile ID's**		ORCID: **0009-0001-5496-0424** Google Scholar Profile Link: https://scholar.google.com/citations?user=YJ4fGaUAAAAJ&hl=en VIDWAN Profile ID: **454507**

DR. Y. RAGHUNATHA REDDY