

# ANCHALA KULLAYA SWAMY

Senior Asst. Professor of Statistics

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## Education

2002	Sri Krishna Devaraya University, B.Sc. with Mathematics, Statistics	(% 63.5/100)
2004	Sri Krishna Devaraya University, M.Sc. in Statistics	(% 65.5/100)
2008	IIT Madras, M.Tech in Industrial Mathematics and Scientific Computing	(CGPA: 6.94/10)
2013	Sri Krishna Devaraya University, M.Phil. in Statistics	(% 65.0/100)

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## Professional Experience

2004 - 2006	Taught Probability & Statistics, OR for MCA, RR Degree College, Hyderabad
2008 - 2009	Analyst, Latent View Analytics, Chennai
2009 - 2011	Lecturer in Mathematics for IIT JEE aspirants, FIITJEE Ltd. New Delhi
2011 - 2016	Assistant Professor of Statistics, Affiliated to SV University
2016 -	Senior Assistant Professor of Statistics, Affiliated to SV University

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## Awards and Fellowships

2002	1 <sup>st</sup> Rank in SKU-CET in Statistics
2006	All India 46 <sup>th</sup> Rank in GATE in Mathematics
2006	Received GATE Fellowship (2006-2008) from MHRD India
2009	Qualified in CSIR-NET(AIR-154) in Mathematical Sciences
2011	Awarded CSIR-JRF(AIR-73) in Mathematical Sciences
2012	Qualified APSET in Mathematical Sciences
2013	Passed Probability & Mathematical Statistics Exam by Institute of Actuaries of India
2015	4 <sup>th</sup> Rank in SVU-RESET in Statistics
2018	1 <sup>st</sup> Rank in Asst. Prof. Screening test in Statistics conducted by APPSC
2019	All India 8 <sup>th</sup> Rank in GATE in Statistics

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## SWAYAM/ NPTEL On-line Certification Courses

1. Probability and Statistics (IIT Kharagpur, Apr 2019), with a consolidated score of 95% (Elite Gold) in the top 1% with 1st rank.
2. Business Statistics (IIT Roorkee, Apr 2019), with a consolidated score of 83% (Elite Silver) in the top 5% with 9<sup>th</sup> rank.
3. Statistical Inference (IIT Kharagpur, Apr 2019), with a consolidated score of 82% (Elite Silver).
4. Descriptive Statistics with R Software (IIT Kanpur, Apr 2019), with a consolidated score of 67% (Elite).
5. Matrix Analysis with Applications (IIT Roorkee, Nov 2019), with a consolidated score of 80% (Elite Silver).
6. Stochastic Processes (IIT Delhi, Nov 2019), with a consolidated score of 63% (Elite).

### **Courses/ Programs attended**

1. Attended 6 days **Induction Training Program** conducted for newly recruited lecturers of Govt. Degree Colleges at the District Resource Center, Govt. College (Men), Anantapur from 26-12-2011 to 31-12-2011
2. Participated in **Orientation Course** (88<sup>th</sup>) at Hyderabad Central University (HCU), Hyderabad from June 19 to July 16, 2014 and obtained grade 'A'
3. Participated in **Refresher Course** in Disaster Management at Sri. Venkateswara University, Tirupati from July 11 to July 30, 2016 and obtained grade 'A'

### **Papers Presented/ Delivered Lecture in Conferences /Seminars/ Workshops**

1. Officiated a session on Descriptive Statistics with MS-Excel. *UGC Sponsored National Seminar on The Role of Statistical Tools in Data Analysis of Research Projects and Thesis*, P.V.K.N. Govt. College, Chittoor (2015)
2. Presented a paper on Time Series Modelling for On-line Banking Transactions in India. *ICSSR sponsored, National Seminar on Issues and Challenges of Digital Payment Systems in India*, Govt. Degree & PG College, Puttur (2017).
3. Presented a paper on Effect of GST on Agricultural Market in India. *ICSSR sponsored National Seminar on GST in India - Implications*, P.V.K.N. Govt. College, Chittoor (2018)
4. Presented a paper on Finding First Principal Component using Power Method. *National Conference on Mathematics and its Applications*, Dept. of Mathematics, Sri Venkateswara University, Tirupati (March 2019)
5. Officiated a session in the *National Workshop on Mathematical Sciences CSIR-NET/ SET/ GATE*, Sathyabama Institute of Science and Technology Deemed to be University, Chennai (June 2019).
6. Presented a paper on Stock Market Data Modelling using Fitness Oriented JAYA Algorithm - Based Deep Belief Network. *International Conference on Advances & Applications in Mathematics, Statistics & Computer Science*, Andhra Loyola (ALCMS) (Nov 2019)
7. Presented a paper on Bank Transaction Data Modelling by Optimized Hybrid Machine Learning. *International Conference on Advances & Applications in Mathematics, Statistics & Computer Science*, Andhra Loyola (ALCMS) (Nov 2019)

### **Participation in Conferences /Seminars/ Workshops**

1. Participated in two day *APSCHE Sponsored National Workshop on Statistical Tools for Physical and Social Sciences*, SSBN Degree College, Anantapur (2014)
2. Participated in *DST Sponsored Inspire Internship Science Camp*, S.G. Govt. Degree College, Piler (2016)
3. Participated in *National Seminar on Biodiversity: Conversation, Emerging Trends and Challenges*, Govt. College (A) Anantapuramu (Oct 2017)
4. Participated in *National Workshop on Cryptocurrency and Block Chain Technology*, PVKN Govt. College, Chittoor (2019)

## Publications

1. **A. KullayaSwamy**, B. Sarojamma and P. Kiran Kumar (2018). Time Series Modelling for On line Banking Transactions in India. *International Journal of Creative Research Thoughts*, Volume **6**, pp. 53-60, ISSN : 2320-2882, Impact Factor: **5.97**, <http://ijcrt.org/papers/IJCRT1802008.pdf>
2. B. Sarojamma, **A. Kullaya Swamy** (2018). Effect of GST on Agricultural Market in India. *ICSSR sponsored National Seminar on GST in India - Implications*, pp.185-190, ISBN : 978-93-87540-39-5
3. **A. Kullaya Swamy**, Dr. P. R. Parthasarathi and Dr. Arun K. Tangirala (2019). Estimation of Time Delay in Non linear System using Average Mutual Information. *American International Journal of Research in Science, Technology, Engineering & Mathematics*, Issue 26 Volume **1**, pp.122-125 ISSN : 2328-3580, Impact Factor: **5.01**, <http://iasir.net/AIJRSTEMpapers/AIJRSTEM19-222.pdf>
4. B. Sarojamma, **A. Kullaya Swamy**, P. Rama Krishna Reddy (2019). Finding First Principal Component using Power Method. *AIMS Journal of Research*, Volume **14** Issue 1, pp.09-12, ISSN : 2321-8487

### To be Published

5. **A. KullayaSwamy**, B. Sarojamma (Oct 2019). Stock market data modelling using fitness-oriented JAYA algorithm-based deep belief network. *Kybernetes, Emerald Publishing Limited*, ISSN: 0368-492X
6. **A. KullayaSwamy**, B. Sarojamma. Bank Transaction Data Modelling by Optimized Hybrid Machine Learning Merged with ARIMA (under review)