

## ACADEMIC PROFILE



1. **Name** : **Dr. AVANIGADDA JAYA VENKATA RADHIKA**
2. **Designation** : **Assistant Professor of Mathematics,  
University College of Engineering and Technology  
Acharya Nagarjuna University,  
Nagarjuna Nagar,  
Guntur (dt), A.P.,  
India – 522 510.**
3. **Name of the father** : **Avanigadda RamaRao.**
4. **Date of Birth** : **06.07.1976**
5. **Educational Qualifications** : **M.Sc, M.Phil., Ph.D.**
6. **Academic/Teaching Experience** : **25 Yrs.**
7. **Postal Address to communicate** : **Dr.A.J.V.Radhika  
w/o . Dr. N. Thyaga raju,  
D.NO : 6-18-8 : 18/ 2 Arundalpet  
Guntur -2 , A.P.  
Pin Code : 522002**  
**Mobile Number** : **9885804900;**  
**E-mail** : **ajvradhika09@gmail.com**
8. **Topic of Ph.D. Thesis** : **Mathematical Tools In The Construction Of New  
Circular Models.**
9. **Award of Merit** : **Received Best Research paper Award from Acharya  
Nagarjuna University in 2012.**
10. **Name of the Research Guide** : **Dr.S.V.S.Girija  
Associate professor  
Department of Mathematics**

**11. Areas of specialization : Numerical Analysis , Mathematical Statistics**

Examination	Name of the Course	Subject	Year of Passing	% of Marks Obtained	Division	School / College Studied	Name of the Board / University
<b>Ph. D.</b>	Ph. D.	Mathematics	2014	----	----	ANU	Acharya Nagarjuna University
<b>M. Phil</b>	M. Phil	Mathematics	2002	66%	First	MKU	Madurai Kamaraj University
<b>P.G</b>	M.SC	Mathematics	1998	67%	First	J K C College, Guntur	Acharya Nagarjuna University
<b>U.G</b>	B.SC	M.P.Computers	1996	70%	First	Sir C.R.Reddy College for Women, Eluru ,W.G.(Dt)	Andhra University.
<b>S.S.C</b>	--	---	1991	67%	First	K.R.M.G.H.Sc hool, Avanigadda Krishna(Dt)	Boardof Secondary Education, Hyderabad. A.P

**12. Academic qualifications:**

### 13. Teaching Experience at Universities or Degree Colleges:

Name of the University / College	Designation	Nature of Post. Temporary / Permanent	Classes taught	Period (give dates)	Length of experience	
			Under graduate Pass/Hons./ Post-Graduate		Years	Months
Hindu College, Guntur	Lecturer	Un-aided	I B.SC. II B.SC. III B.SC.	01.07.1999 To 09.12.2004  &	5 Yrs	5 months
	FIP substitute (Lecturer)	Un-aided	I B.SC. II B.SC. III B.SC.	10.12.2004 To 31.3.2007  &	2Yrs	4 months
	Lecturer	Un-aided	I B.SC. II B.SC. III B.SC.	01.4.2007 To 31.8.2009	2 Yrs	4 months
Acharya Nagarjuna University Engineering College, ANU	Assistant Professor	Contract	B.Tech.: Mathematics-I Mathematics-III Mathematics-IV	01.09.2009 to till date	15 Yrs.	2 months

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**14 . Details of Research Publications:**

<b>Sl. No</b>	<b>Title with page Nos.</b>	<b>Name of Journal</b>	<b>ISSN/ISBN No.</b>	<b>Whether Peer Reviewed. Impact Factor, if any</b>	<b>Year/ Number etc.</b>
1.	Modeling Ants Data Using Stereographic Reflected Gamma Distribution Pg.No.:15-38	ANU Journal of Physical sciences Vol:IV ,Issue 1	ISSN 0976-0954	National	Jan-June, 2012
2.	On Bimodel Offset Cauchy Distribution Pg.No.:61-67	Journal of Applied Mathematics, Statistics And Informatics(JAMSI) Vol.9,Issue 1	ISSN 1336-9180	International Peer Reviewed Impact factor 2.2	March, 2013
3.	On Univariate Offset	International Journal	ISSN	International Peer	March, 2013

	Pearson Type II Model – Application to Live Data Pg.No.:1-9	of Mathematics and Statistics Studies Vol.1, Issue 1	2053-2210	Reviewed Impact factor 4.5	
4.	On Rising Sun Von mises and Rising Sun Wrapped Cauchy Circular Models Pg.No.:41-55	Journal of Applied Mathematics, Statisti cs And Informatics(JAMSI) Vol.9, Issue 2	ISSN 1336-9180	International Peer Reviewed Impact factor 2.2	Dec 2013
5.	On Offset L- Arc Models Pg.No.:127-136	Mathematics and Statistics Vol.2, Issue 3	ISSN: 2332-2144	International Peer Reviewed Impact factor 5.5	March 2014
6.	New circular Models Induced by Modified Inverse Stereographic Projection On Arc Exponential – type Distribution Pg. No.: 1 - 6	International Journal of Mathematical Archive Vol. 5, No.4	ISSN 2229-5046	International Peer Reviewed Impact factor 3.2	April 2014
7.	Relative performance of Circular Models In fitting Movements of hundred Ants Data: Pg. No.: 337 – 344	BULLETIN OF MATHEMATICS AND STATISTICS RESEARCH Vol.2.Issue.3.	ISSN 2348-0580	International Peer Reviewed	Sep 2014
8.	ON CHARACTERISTICS OF THE ARC OFFSET PARETO MODEL PP: 858-862	International Journal of Scientific and Innovative Mathematical Research(IJSIMR) Vol.3.Issue.3	ISSN 2347-307X	International Peer Reviewed	July 2015
9.	A Study of Attitudes on punishment of middle school students	International Journal of Business and Administration Research Review Vol.1.Issue.15	ISSN- 2347-856X	International Peer Reviewed Impact factor 3.853	July 2016
10.	ON OFFSET SEMICIRCULAR PEARSON TYPE II MODEL pp. 81~87	Open Journal of Applied & Theoretical Mathematics (OJATM) Vol. 2, No. 4,	ISSN: 2455-7102 .	International Peer Reviewed Impact factor	December 2016,
11.	On Trigonometric Moments of the Stereographic Semicircular Gamma	EUROPEAN JOURNAL OF PURE AND APPLIED	ISSN : 1307-5543	International Peer Reviewed Impact	2017,

	Distribution p.p : 1124-1134	MATHEMATICS Vol. 10, No. 5,		factor	
12.	On Offset - t- Distribution p.p:40-46	IAETSD JOURNAL FOR ADVANCED RESEARCH IN APPLIED SCIENCES Vol.4.Issue.7	ISSN: 2394-8442.	International Peer Reviewed Impact factor	December 2017

### 15. Workshops Attended:

Sl. No.:	Name/Title	Organized by	Duration	Year
1.	E-Content Development	Acharya Nagarjuna University	Two Days	14 <sup>th</sup> - 15 <sup>th</sup> Feb, 2014
2.	Latest developments in algebra and its applications	Department of Mathematics, T J P S college, Guntur	Two Days	24 -25 <sup>th</sup> November, 2014
3.	Research Methodology and Data Analysis-SPSS	Acharya Nagarjuna University	Two Days	4 <sup>th</sup> -5 <sup>th</sup> July 2016
4.	Research and Innovations: Issues and Challenges (NWRIIC-2016)	IQAC, KBN College, Vijayawada	One Day	22 nd October
5.	Emerging Trends and Challenges to Enhance Quality in Higher in Education	IQAC, J.M.J.College for Women, Tenali, A.P	One Week	1 <sup>st</sup> to 7 <sup>th</sup> November, 2016.
6.	Promotion of Ethics and Human Values (Interdisciplinary)	Dept of Political Science, Shree Velagapudi Ramakrishna Memorial College ,Nagaram, Guntur	One Week	21 <sup>st</sup> to 27 <sup>th</sup> November, 2016.

### 16. Papers presented at Conferences / Seminars:

Sl. No.:	Title of the Conference / Seminar	Organized by	Title of the Paper	National/ International	Year
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1.	Mathematical Modelling & Simulation	Andhra Pradesh Society for Mathematical Sciences(APSMS)	On The Characteristic Function of offset Normal Distribution	<b>National</b>	9 <sup>th</sup> – 10 <sup>th</sup> Dec 2012
2.	Mathematical Modelling & Simulation	SwarmaBharathi Institute of Science & Technology (SBIT) Khammam.	A Note on New Circular Models	<b>National</b>	9 <sup>th</sup> – 10 <sup>th</sup> Dec 2012
3.	Modelling Ideas From Mathematics for Advancements in Science& Technology	Vijaya Engineering college, Khammam.	On Construction of Circular Models by Offsetting a Bivariate Model.	<b>National</b>	12 <sup>th</sup> & 13 <sup>th</sup> oct., 2012
4.	A.P. Sciences Congress-2012	A.P.Academi of Sciences & Acharya Nagarjuna University	A.Note on Offset Beta Circular Model	<b>National</b>	14 <sup>th</sup> -16 <sup>th</sup> Nov 2012
5.	International Conference Statistics, Science and Society :New challenges and Opportunities	IISA , ISI & Department of Statistics ,University of Madras ,Chennai.	On Offset Pearson TypeII Model - Goodness of Fit	<b>International</b>	2 <sup>th</sup> -5 <sup>th</sup> Jan 2013
6.	On Recent Trends in Mathematical Computing 2013(NCRTMC'13)	VIT University, Chennai	On Stereographic Semicircular Gamma Model.	<b>National</b>	23 <sup>rd</sup> - 25 <sup>th</sup> Aug 2013
7.	Emerging Trends in Mathematics and Its Applications	Department of Mathematics, Acharya Nagarjuna UniversityOngole Campus,Ongole	On Offset L- Arc Models	<b>National</b>	6 <sup>th</sup> -7 <sup>th</sup> March 2014
8.	Emerging Trends in Mathematical Sciences and Engineering Applications (ETMSEA-2014)	Department of Mathematics , JNTUK, Kakinada	Relative performance of Circular Models In fitting Movements of hundred Ants Data	<b>National</b>	23 <sup>rd</sup> -24 <sup>th</sup> May 2014
9.	International Conference On STATISTICS&INFORMATI ON TECHNOLOGY FOR A GROWING NATION	Department of Statistics ,Sri Venketeswara university, Tirupati	ON ARC OFFSET PARETO MODEL	<b>International</b>	30 Nov 02 Dec, 2014.
10.	XXIII Congress of APSMS and National conference on Mathematics	Department of Science&Humanities, Vignan's University	ON RISING SUN VONMISES MODEL	<b>National</b>	12-14 Decemb 2014
11.	On Recent Developments in	Department of Mathematics,Acharya	ON RISING SUN	<b>National</b>	22-23 Decemb

	Mathematics and its applications	Nagarjuna University,Guntur	WRAPPED CAUCHY MODEL		2014.
12	On Teacher's Role in Quality Enhancement	Andhra Lutheran CollegeOf Education ,Guntur	Re-Engineering of Higher Education in India	<b>National</b>	15 <sup>th</sup> - 17 <sup>th</sup> April,2014
13.	International Conference On MATHEMATICAL SCIENCES(ICMS-2015)	Department of Mathematics ,Sri Venketeswara university, Tirupati	“ON CHARACTERISTICS OF THE ARC OFFSET PARETO MODEL”	<b>International</b>	13-15 July 2015
14	On March to Make in India through Engineering Advancements(MMIEA).	Department of Mechanical Engineering , R V R & J C COLLEGE,Guntur	Participation	<b>National</b>	29 -30, September 2016
15	On Recent Advances In Algebra.	Department of Mathematics,Sri Subbaraya & Narayana College,Narasaraopet	A Note on Circular Models induced by Inverse Stereographic Projection on arc tan exponential-type distribution	<b>National</b>	23 rd October 2016.
16	Emerging Trends in Mathematical Sciences & Applications in Engineering sciences	Silver Jubilee Congress of APSMS-2016 &Department of Mathematics, N.B.K.R.Institute of Science and Technology ,Vidyanagar,Nellore .	“Relative Performance Of Circular Models In Fitting Live Data	<b>National</b>	9-11 December 2016.
17	Improving The Quality Of Education By Effective Use Of Information And Communication Technology	Department of ComputerScience, GOVT.Collegefor Women,Guntur.	Prospectus &Problems of Information and Commnication technologies in making Healthy Information Society	<b>National</b>	20-21 December 2016.
18	MATHEMATICAL SCIENCES &ENGINEERING APPLICATIONS	Baba Institute of Technology & Sciences, Visakhapatnam,A.P	On Offset Semicircular Pearson Type –II Model	<b>International</b>	23-25 December 2016.
19	NATIONAL WOMEN'S PARLIAMENT	Legislative Assembly,Andhra Pradesh	participation	<b>National</b>	10-12 February 2017.

20	On Recent Advances in Graph Theory and its Applications	Department of Applied Mathematics, Sri Padmavati Mahila Visvavidyalayam: Tirupati.	On Construction of Circular Models using RISING SUN Function.	<b>National</b>	27-28 July, 2017.
21	On Recent Advances in Mathematics.	XXVI Congress of Andhra Pradesh Society For Mathematical Sciences & National Conference, Department of Mathematics, Kakatiya University, Warangal.	On Population Characteristics Of New Rising Sun Circular Models	<b>National</b>	11 <sup>th</sup> & 12 <sup>th</sup> August, 2017
22	National Seminar On Mathematics	Department of Mathematics, Acharya Nagarjuna University & SRR AND CVR Govt .degree college, Vijayawada.	On Stereographic 1-axial Semicircular Gamma Distribution	<b>National</b>	12 <sup>th</sup> novemb 2017.
23	On Recent Innovations in computer and Mathematics	J.M.J.College for women, Tenali, A.P.	On Offset - t-Distribution	<b>International</b>	16 and 17 Novemb 2017.

### 17. Details of Research Papers Published in conference Proceedings:

Sl. No.:	Title of the Conference / Seminar	Organized by	Title of the Paper With page nos.	Year
1.	The 5 <sup>th</sup> International Conference MSAST 2011 of IMBIC	IMBIC, Kolkata, India	A. Note on Offset Cauchy Distribution	18 <sup>th</sup> – 20 <sup>th</sup> Dec 2011
2.	On Recent Trends in Mathematical Computing 2013 (NCR TMC' 13)	VIT University, Chennai	On Stereographic Semicircular Gamma Model.	23 <sup>rd</sup> - 24 <sup>th</sup> Aug 2013

### 18. Chaired the Session:

Sl. No.	Title of the Orientation	Organized by	Place	Month & Year
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	<b>Programme</b>			
1.	On Recent Developments in Mathematics and its applications Interviews	Department of Mathematics,	Acharya Nagarjuna University, Guntur	22-23 December, 2014.

**19. Research Productivity : Research Papers published : 15**

International Level : 14

National Level : 01

**Research Papers Presented : 35**

National Level : 20

International Level : 15

**20. Administrative Experience :** Member, Board of Studies in Engineering, ANU.

**21. Other Interests/Activities :** (i) Co-ordinator to extracurricular activities for Cultural Programmes

(ii) Academic Counselor for International Students Cell, Acharya Nagarjuna University .

SIGNATURE