

PROFILE



1. Name of the Faculty Member : **Dr. R. SUBBA RAO**, M.Sc., M.Phil., Ph.D.
2. Designation : Professor & Head
3. Department : Engineering Mathematics & Humanities
4. Date of Birth : 04 – 08 – 1968
5. Date of joining : 02 – 11 – 2016
6. Experience (a) Teaching : 28 years
(b) Research : 18 years
7. Mobile No : 91-9440976619
8. Email-ID : rsubbarao9@gmail.com
9. Educational Qualifications :

Qualification	University/Board	Specialization	Year of Passing
Ph. D.	Acharya Nagarjuna University	Title: “Some Inferential and Computational Problems in Pareto Related Distributions”	2007
M. Phil.	Acharya Nagarjuna University	Title: “A quality control approach to some inferential procedures in Half Logistic distribution”	1999
M.Sc.	Acharya Nagarjuna University	Statistics	1992
M.Sc.	Madurai Kamaraj University	Mathematics	2006
PGDCOS&OR	Acharya Nagarjuna University	Computers & Operations Research	1992
PGDCS	University of Hyderabad	Computer Science	1999

10. Subjects Taught : Most of the Mathematics & Statistics related subjects in Engineering Branches

UNIVERSITY RATIFICATIONS:

1. Ratified as **Professor** by **JNTUK, Kakinada** in February, **2017**
2. Ratified as **Professor** by **JNTUK, Kakinada** in February, **2012**
3. Ratified as **Associate Professor** by **JNTUH, Hyderabad** in August, 2007
4. Ratified as **Associate Professor** by **JNTUH, Hyderabad** in 22-2-2007
5. Ratified as **Assistant Professor** by **Andhra University** in 1996

Research Experience:18 years

Research Areas:

Mathematical Modeling, Operational Research, Statistical Inference, Quality Control, Software Reliability Techniques, Image Processing, Population Studies and Circular Probability Models.

Research Guide ship:

1. Jawaharlal Nehru Technological University, Kakinada.

2. Acharya Nagarjuna University, Guntur.

Research Guidance:

1. **Ph. Ds awarded: THREE**

- Awarded to A. Naga Durgamamba, “Size Biased Lomax Distribution: Some Inferential Aspects”, Acharya Nagarjuna University, Guntur, April, 2017.
- Awarded to L N P Kumar Rallabandi, “Some Consistency Improvement Methods for Pairwise Comparison Matrices in Analytic Hierarchy Process”, JNTUK, Kakinada, September, 2017.
- G. Prasad, “Some Inferential Procedures in T – X Model Based on Pareto & Rayleigh Distributions”, Acharya Nagarjuna University, Guntur, September, 2018.

2. Scholars submitted Thesis for **Ph. D.: ONE**

- M. Pushpa Latha, “Applied Inferential Procedures in Inverse Rayleigh and Inverse Half Logistic Distribution”, Acharya Nagarjuna University, Guntur.

3. Scholars Working for **Ph. D. : Three**

Research Publications : 50 International - 45 National – 5

Papers presented in

Conferences : 37 International - 21 National – 16

Workshops attended : 28

Book Publications : 02 (Published)

- A Monogram titled “*Inferential and Software Reliability Aspects in Pareto Related Models*” - VDM Verlag Publishers, **Germany**.
- Co - Authored a book titled “*Business Statistics with Lab Work*”- Telugu Academy Kalyani Publishers, New Delhi.

Reviewer to Research Journals:

- International Journal of Reliability and Statistical Studies (IJRSS)
- Journal of New Results In Science (JNRS), Tokat-Turkey
- **A Springer Journal** “Stochastic Environmental Research and Risk Assessment”
European Journal of Pure and Applied Mathematics

Board of Studies Membership(s):

- **University nominee** to Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada.
- Shri Vishnu Engineering College for Women, Bhimavaram.
- Member in college **Academic Council**, Shri Vishnu Engineering College for Women, Bhimavaram.

Membership in Professional Bodies:

- Life member in ‘**Andhra Pradesh Society for Mathematical Sciences**’, LM APMS 380.
- Life member in ‘**The Indian Society for Technical Education**’, No. LM 51321.
- Life member in ‘**Indian Society for Probability and Statistics (ISPS)**’: LM /2010/29/790.
- Life member in ‘**International Association of Engineers (IAENG)**’-169301

Resource Person To:

11. SRKR Engineering College, Bhimavaram, (DST-SERB sponsored Workshop)
10. Padmasri B.V.Raju Institute of Computer Science, Bhimavaram.
9. Krishna University, Machilipatnam.
8. Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada.
7. K.G.R.L. College, P.G. Courses, Bhimavaram.

6. Sri Vishnu College of Pharmacy, (Autonomous), Bhimavaram.
6. Vishnu Dental College, Bhimavaram.
4. Simhadri Engineering College Anakapalli.
3. Visakha Technical Campus, Visakhapatnam.
2. Sri MEDHA Educational Institutions, Palakole.
1. Visakha Institute of Engineering & Technology, Visakhapatnam.

Paper Setter and Valuer To:

6. Gayathri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam.
5. Sri Vishnu College of Pharmacy, (Autonomous), Bhimavaram.
4. Gudlavalleru College of Engineering (Autonomous), Gudlavalleru.
3. Pragati Engineering College (Autonomous) Surampalem, Near Kakinada.
2. Swarnandhra College of Engineering and Technology (Autonomous), Narsapur.
1. Jawaharlal Nehru Technological University Kakinada (JNTUK), Kakinada.

Administrative Experience: (Positions Held)

1. **Head of the department**, Department of Engineering Mathematics & Humanities, SRKR Engineering college, Bhimavaram.
2. **Member, Ethical Committee**, Vishnu Dental College, Bhimavaram.
3. **Nodal Officer (academics) of TEQIP programme** at Shri Vishnu Engineering College for Women, Bhimavaram.
3. **Coordinator, Student Counseling Scheme**, Shri Vishnu Engineering College for Women, Bhimavaram.
4. **Coordinator, College Time Tables**, Shri Vishnu Engineering College for Women, Bhimavaram.
5. **Member** in NBA, IMCRBNA, NAAC and College Autonomous Status related works, Shri Vishnu Engineering College for Women, Bhimavaram.
6. **Chairman, Academic Audit Committee**(May 2016 to June 2016) to Audit Exam Cell and College Office,
Shri Vishnu Engineering College for Women, Bhimavaram.
7. **Coordinator, Internal Quality Assessment Cell (IQAC)**, Swarnandhra College of Engineering and Technology.
8. **Coordinator for NBA activities** in Swarnandhra College of Engineering and Technology.
9. **Head / Coordinator to Department of Mathematics**, Swarnandhra College of Engineering and Technology.
10. **In charge of Undergraduate courses** at Padmasri Dr. B.V.Raju Institute of Computer Education, Bhimavaram.
12. **In charge of Examinations Branch** at Padmasri Dr. B.V.Raju Institute of Computer Education, Bhimavaram.

Project / Field Experience:

A. On -going:

1. *“Dissecting Autism Trajectories in Longitudinal Electronic Health Records”* an *Indo Israel DST* Collaborative Research Proposal.

B. Proposals Submitted:

1. Submitted a proposal as PI on *“A Study on Statistical Quality & Reliability through Circular and Combinations of Models”* (MTR/2017/000662/MS (Ver-1))
2. Submitted a proposal as Co-PI on *“An Investigation of Groundwater Dynamics, Recharge and Installation of real-time Groundwater monitoring System in Upland Area of Dwaraka Tirumala Mandal, W.G. Dt, A.P”* (File No: EMR/2017/005003(ver-1))

C. Completed:

1. **“Mobile Based Asset Mapping For Panchayats/Equavalant Bodies On GIS Platform”** under Space based Information Support for Decentralized Planning (SIS-DP) assigned by National Remote Sensing Centre, Hyderabad for the Districts **East Godavari and West Godavari**.
2. National Lank Use / Land Cover Mapping using temporal A WiFS data of **A.P.** assigned by National Remote Sensing Centre, Hyderabad
3. A Project work on **“Waiting Line Patterns of LPG consumers in Guntur: A Micro Study”** at Guntur.
4. A Project Work on **“Process Control – A Study of soaps Division in JOCIL”** at Guntur.

Training Programmes /Conferences Organized:

1. **Co-Convener** for the International Conference on Applied Science and Technology (ICAST-2018) organized by Centre for Research and Development, SRKR Engineering College, during 24th to 25th January, 2018.
2. Acted as a **co- coordinator** to the Workshop on “Aquaculture and its impacts on Environment using Spatial Technologies” Organized by Geospatial information Centre, SRKR Engineering College, Bhimavaram, sponsored by SERB, DST, New Delhi, on 15th -16th December 2017.
3. **Convener** for a National Level 5 Day Faculty Development Program on ‘Real Time Engineering Applications of Mathematics’ (REAM-2014) November- 2014 at Shri Vishnu Engineering College for Women, Bhimavaram.
4. **Convener** for the Symposium ‘Recent advances in Mathematics applied to Engineering’, May 2007 at Swarnandhra college of Engineering and Technology, Narsapur.
5. **Organized** a Quality Improvement Programme on Institutional Design and Delivery in June 2006 at Swarnandhra college of Engineering and Technology, Narsapur.
6. **Organized** a Short term Programme on ‘Accreditation of Technical Institutions in June – 2005 at Swarnandhra college of Engineering and Technology, Narsapur.
7. **Conducted** a **District level** One-day Mathematics Orientation Seminar for Mathematics Teachers at J. SIKILE School in June **2005**.

Technical Sessions Chaired/Judged:

1. **Chaired** a Technical session in the “International Conference on Applied Science and Technology (ICAST-2018) held at SRKR Engineering College, during 24th to 25th January, 2018.
2. **Chaired** a technical session in the UGC Sponsored Two Day National Seminar on ‘Recent Trends and Applications in Mathematics and Statistics’ held during 28-29 September 2016.
3. **Acted as a judge** at ‘State Level Science, Mathematics & Environment Exhibition’ held during 28-12-2015 to 30-12-2015, Organized by Department of School Education- Andhra Pradesh.
4. **Chaired** a technical session in the ‘International conference on Mathematics Statics and Computer Engineering’ held during September 13-14, 2012.
5. **Acted as a judge** for District level ‘Science-Humanities Fair’ Organized by J. Sikile School, Narsapur, Conducted on 27th October 2006.

List of Publications: (International: 44+ National:6 =50)

a) International:

44. Mixed monotone property and tripled fixed point theorems in partially ordered bipolar-metric spaces
Italian Journal of Pure And Applied Mathematics,
R.Subba Rao and GNV Kishore,
Vol. no.n, Issue No.42, pp. 598-615, **2019**
43. Software Reliability Growth Model (SRGM) Based on Inverse Half Logistic Distribution
International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878
R.Subba Rao and K Prasanna
Vol. no.8, Issue No.IS3, pp. 298-301, **2019**
42. A Comparison of Fuzzy Game Matrix Solutions using Defuzzification Methods with a New Method
International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878
R.Subba Rao and K Prasanna
Vol. no.8, Issue No.IS3, pp. 270-273, **2019**
41. Municipal Solid Waste Management in India with Special Reference to Bhimavaram Town in West Godavari District, Andhra Pradesh
International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878
R.Subba Rao and K M Ganesh
Vol. no.8, Issue No.IS3, pp. 263-269, **2019**
40. Cloud Services for Longitudinal Electronic Health Record
International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878
R.Subba Rao and RNV Jagan Mohan Rao
Vol. no.8, Issue No.IS3, pp. 260-262, **2019**
1. Wrapped Lomax Distribution : A New Circular Probability Model
International Journal of Engineering and Technology(UAE), ISSN: 2227-524X,
R.Subba Rao, V.Ravindranath, A.V.Dattatreya Rao, G.Prasad and P.Ravi Kishore
Vol. no.7, Issue No.3.31, pp. 136 -140, **2018**
2. Limited Failure Censored Life Test Sampling Plan: Pareto-Rayleigh Model
International Journal of Engineering and Technology(UAE), ISSN: 2227-524X,
R. Subba Rao¹, G. Prasad ,and R.R.L. Kantam.
Vol. no.7, Issue No.3.31, pp. 136 -140, **2018**
3. Time Control Chart for Two Inverted Models
International Journal of Engineering and Technology(UAE), ISSN: 2227-524X,
R. Subba Rao¹, M. Pushpa Latha ,and R.R.L. Kantam.
Vol. no.7, Issue No.3.31, pp. 133-135, **2018**
4. Demographic Projections for India: Past, Present and Future

R. Subba Rao, Y. Jagannadhapuri, K. M. Ganesh and D.V. Ramanamurthy

International Journal of Engineering and Technology(UAE), ISSN: 2227-524X,

Vol. no.7, Issue No.3.31, pp. 174-178, **2018.**

5. Analysis of Means (ANOM) based on the Size Biased Lomax Distribution

R. Subba Rao, A. N. Durgamamba, G. Prasad and R.R.L. Kantam

International Journal of Engineering and Technology(UAE), ISSN: 2227-524X,

Vol. no.7, Issue No.3.31, pp. 234-239, **2018.**

6. Identification of Groundwater Potential Zones of Visakhapatnam Urban Area using Integrating Multi Criteria Evaluation with Geographical Information System

R.Subba Rao, K.M. Ganesh, G. Jai Sankar and M. Jagannadha Rao

International Journal of Engineering and Technology(UAE), ISSN: 2227-524X,

Vol. no.7, Issue No.3.31, pp. 234-239, **2018.**

7. An Economic and Statistical Analysis of growth and trend of adolescent population in India

R. Subba Rao and Y Jagannadha Puri

World Wide Journal of Multidisciplinary and Development (E-ISSN 2454-6615)

Vol. no.4, Issue No.3, pp. 57-62, **2018.**

8. Assessment of Surface Water Bodies using Automated Algorithm, West Godavari, Andhra Pradesh, India

R. Subba Rao, K.M.Ganesh, YSSR Murty and PARK Raju.

International Journal of Civil, Structural, Environmental and infrastructure Engineering Research and Development (ISSN:2249-7978)

Vol. no.7, Issue No.5, pp. 89-94, **2017.**

9. Modified Maximum Likelihood Estimation: Inverse Half Logistic Distribution

R. Subba Rao, Pushpa Latha Mamidi, R.R.L.Kantam and K.M.Ganesh

Global Journal of Pure and Applied Mathematics

Vol. no.13, Issue No.4, pp. 1-6, September, **2017.**

10. Two Step Estimation – A New T – X Model

R. Subba Rao, G. Prasad, M.S. Ravikumar and R.R.L. Kantam

International Journal of Pure and Applied Mathematics (IJPAM)

Vol. no.113, Issue No.11, pp.252 - 260, **2017.**

11. Modified Maximum Likelihood Estimation : Inverse Half Logistic Distribution

R. Subba Rao, Pushpa Latha Mamidi, R.R.L.Kantam

International Journal, i-Manager's – Journal on Mathematics

Vol. no.5, Issue No.4, pp. 11-19, October – December **2016.**

12. *Discriminating between size Biased Lomax distribution and Pareto – Rayleigh distribution*

R. Subba Rao, A. N. Durgamamba, M.S. Ravikumar and R.R.L. Kantam

Open Journal of applied &Theoretical Mathematics (OJATM)

Vol. no.2, Issue No.4, pp.409-418, December **2016**.

13. *Economic Reliability Sampling Plan: A New T-X Model.*

R. Subba Rao, G. Prasad, M.S. Ravikumar and R.R.L. Kantam

Open Journal of applied & Theoretical Mathematics (OJATM)

Vol. no.2, Issue No.4, pp.764-779, December **2016**.

14. *Discrimination between two Inverted Distributions*

R. Subba Rao, Pushpa Latha Mamidi, R.R.L.Kantam

International Journal, i-Manager's – Journal on Mathematics

Vol. no.5, Issue No.3, pp. 27-31, July - September **2016**.

15. *Strengthening vital statistics in India by using unique identification number (NPR) based online census system*

R.Subba Rao, Y. Jagannadha Puri

International Journal of Advanced technology in Engineering and sciences

Vol. no.4, Issue No. 8, August **2016**.

16. Modified ML estimation: Size-Biased Lomax Distribution

R. Subba Rao, A. N. Durgamamba, R.R.L. Kantam

International Journal of Science Tehnology and Management

Vol. no. 5, Issue No. 8, August **2016**.

17. Sample Registration System (SRS) is a reliable estimator in Indian Vital Statistics System

R.Subba Rao, Y. Jagannadha Puri

International Journal of advance research in science and engineering

Vol. no. 5, Issue No. 8, August **2016**

18. Acceptance Sampling Based on Life tests : Pareto-Rayleigh model

R. Subba Rao, R R L Kantam and G. Prasad

International Journal of advance research in science and engineering

Vol. no. 5, Issue No. 8, August **2016**

19. *Improved Consistency Ratio for Pairwise Comparison Matrix in Analytic Hierarchy Processes*

R. Subba Rao, Ravindranath, R.L.N. Pradeep Kumar

Asia-Pacific Journal of Operational Research, 2016 Vol.33 No.3

DOI: 10.1142/S0217595916500202

20. *Effects of Socio-Economic factors on children ever born: a comparative study using census data*

R.Subba Rao, Y. Jagannadha Puri

International Journal of Research, Jan-June, 2016, Vol. 5 (2), ISSN 2231-6124, PP. 158-160.

21. *Reliability test plan for size biased lomax model*

R. Subba Rao, A. N. Durgamamba, R.R.L. Kantam

International journal of scientific and Innovative mathematical research, Dec-2015

Vol:3, Issue: 12, Pages:1-8.

22. *Modified Maximum Likelihood Estimation in Pareto-Rayleigh distribution*
R. Subba Rao, R R L Kantam and G. Prasad
Golden Research Thoughts (ISSN 2231-5063) **2015**
23. *Estimation through failure censored sample: Size Biased Inverse Maxwell Distribution*
R. Subba Rao, Pushpa Latha Mamidi, R.R.L. Kantam
International Journal of Computational Science, Mathematics and Engineering
IJCSME-Volume-2-Issue-8-August-2015, E-ISSN-2349-8439
24. *Variable control charts based on percentiles on size biased lomax distribution*
R.Subba Rao, A. N. Durgamamba, B. Srinivasa Rao
International Journal of Probatat. forum, 2014, page.55-64, ISSN-0974-3235
25. *Group Acceptance Sampling Plan - Size Biased Lomax Model*
R. Subba Rao, A. N. Durgamamba
Mathematical Sciences International Research Journal 2014, Vol.3, Issue 2, ISSN 2278-8697
26. *Hybrid Group Acceptance Sampling Plan Based on Size Biased Lomax Model*
R. Subba Rao, A. N. Duragamamba
Mathematics and Statistics 2(3):137-141, 2014.
27. *Acceptance Sampling Plans: Size Biased Lomax Model*
R. Subba Rao, A. N. Duragamamba
Universal Journal of Applied Mathematics 2(4):176-183, 2014.
28. *Acceptance Sampling Based on Life Tests: Exponentiated Pareto Model*
R. Subba Rao, G.Bhaskara Prasad
Engineering Sciences International Research Journal, I (1),152-158, 2013.
29. *Efficient K-Means Cluster Reliability on Ternary Face Recognition Using Angle Oriented Approach*
R. Subba Rao, R.N.V.Jaganmohan
International Journal of Informatics and Communication Technology (IJ-ICT) ISSN: 2252-8776 2(1), 180-187 2013.
30. *Percentiles of Range : Pareto Type Model*
R. Subba Rao, G.Bhaskara Prasad and R.R.L Kantam
International Journal of Advances in Applied Sciences (IJAAS) Vol.2, No.3, September 2013, pp. 141-144, ISSN: 2252-8814
31. *Fuzzy Cluster Index: An Angle Oriented Face Recognition Using RSA*
R. Subba Rao, R.N.V.Jaganmohan
International Journal – Mathematical Sciences International Research Journal,, 1(3), 1058 -1067, 2012.
32. *Similarity of Inference: Face Matching on Angle Oriented Face Recognition*
R. Subba Rao, R.N.V.Jaganmohan
International journal ‘Journal of Information Engineering and Applications, I (I),. 46-53, 2011.
33. *Increasing the Reliability of Angle Oriented Face Recognition using DCT*
R. Subba Rao, R.N.V.Jaganmohan

Proceedings of the International Congress on Productivity, Quality, Reliability Optimization and modeling, Vol –I, pp. 48-56, 2011.

34. *Pareto Distribution –Some methods of Estimation*

R. Subba Rao, R.R.L.Kantam

International Journal of Computational Mathematical Ideas, 2(1&2), 2010.

35. *Estimation of Process Capability Index for Half Logistic Distribution*

R. Subba Rao, R.R.L.Kantam

International Transactions in Mathematical Sciences and Computer, 3(1), 61-66, 2010.

36. *Pareto Distribution: a Software Reliability Growth Model*

R. Subba Rao, R.R.L.Kantam

International Journal of Performability Engineering .5(3), 75-281, 2009.

37. *Modified Pareto distribution*

R.Subba Rao, R.R.L.Kantam

Proceedings of the VI **International Symposium** on Optimization and Statistics

Vol. I, pp. 49-56, **2008.**

38. *Variable Control Charts for Process Mean with reference to Double Exponential Distribution*

R.Subba Rao, R.R.L.Kantam

International journal ‘Acta Ciencia Indica, Vol.XXXIV M, No.4, 1925-1930, 2008.

39. *An Economic Reliability Test plan with Pareto distribution*

R. Subba Rao, R.R.L.Kantam

International Journal of Agricultural and Statistical Science, 3(2), 309 -317, 2007.

b) National:

6. *Skewness Corrected Control charts for two Inverted Models*

R. Subba Rao, Pushpa Latha M, M.S. Ravi Kumar

Journal of Chemical and Pharmaceutical Sciences ISSN: 0974-2115,10, pp. 51-55.

5. *Gender Disparity in the literacy rate in India; (An Analysis of 2001 & 11 Census)*

R.Subba Rao, Y. Jagannadha Puri

Indian Journal of Women and Development, November-2015, ISSN 2231-3974.

4. *An SPRT approach on software Reliability Assessment*

R. Subba Rao, R.R.L.Kantam

ANU Journal of Physical Sciences, Vol.1, Number1, 2011.

3. *‘Weighted Pareto Distribution’*

R. Subba Rao, R.R.L.Kantam

ANU Journal of Physical Sciences, Vol.1, Number1, 2009.

2. *Pareto distribution in acceptance sampling plan based on life tests,*

R. Subba Rao, R.R.L.Kantam

1. *The role of quality aspect in the Infrastructure sector*

R. Subba Rao, R.R.L.Kantam

Conference proceedings of the National Seminar on ‘**Infrastructure development and Financing**’

held at Alagappa University, Karaikudi, May 2000.

Conferences Attended and Papers Presented:

1. Presented research papers in the “**International Conference** on Applied Sciences and Technology” (**ICAST-2018**) during 24th -25th January 2018, SRKR Engineering college, Bhimavaram, Papers titled (i) Limited Failure Censored Life Test Sampling Plan: Pareto-Rayleigh Model (ii) Time Control Chart for Inverse Rayleigh distribution (iii) Extreme value charts and Analysis of Means (ANOM) based on the Size Biased Lomax Distribution (iv) Awareness on Janani shishu suraksha Karyakram among mother: A community based cross sectional study, (v) Wrapped Lomax Distribution : A New Circular Probability Model.
2. **National Conference** on “*Modern trends in Pure Mathematics*” Sponsored by UGC from July 14th to 15th , 2017 conducted by **Andhra Loyola College – Vijayawada**, in collaboration with Aligarh Muslim University, presented a paper in the conference titled “*Parametric Estimation for Inverse Half ogistic Distribution Based on Type II Censored Samples*”
3. Participated in a two- day **National Seminar** on SQC, Reliability, Design of Experiments and Operations Research, Presented a research paper “*Modified M. L. Estimation from Censored samples : Size Biased Lomax Distribution*”, Organized by Department of Statistics, Acharya Nagarjuna University, Nagarjuna Nagar, Guntur, A.P. from 23rd and 24th **February, 2017**.
4. Attended for an **International Conference** on Mathematical Sciences & Engineering Applications(ICMSEA) held on 23rd – 25th **December 2016** at Baba Institute of Technology & Sciences, Vizag: and presented the research papers (i) *Discriminating between size Biased Lomax distribution and Pareto – Rayleigh distribution* (ii) *Economic Reliability Sampling Plan: A New T-X Model* (iii) *Stereographic – l- Axial Rayleigh and Stereographic circular Rayleigh Distributions*.
5. A research paper titled “*Skewness Corrected Control Charts for Two Inverted Models*” presented at the **International Conference** on Emerging Multidisciplinary Research and Computational Intelligence (ICEMRCI), Organized by Dhumra Mahate Information And Communications Technology Associates (DMICTA) and S.R.K.R. Engineering College (Autonomous) during **December 15-16, 2016**.
6. Participated in a two- day **National Seminar** on Recent trends and applications in Mathematics and Statistics, Presented a research paper “*Skewness Corrected Control Charts for inverse half logistic distribution*”, Organized by Department of Mathematics and Statistics, Pithapur Rajah’s government college (Autonomous), Kakinada from 28th to 29th **September 2016**.
7. Two Day **International conference** On recent innovations In Engineering, Science, Humanities and Management”, held on 11th – 12th **August 2016**, Organized by School of Engineering, Gayatri Vidya Parishad, Rishikonda, Vishakhapatnam, A.P., and presented research papers titled (i) “*Modified ML estimation: Size-Biased Lomax Distribution*” (ii) “*Acceptance Sampling Based on Life tests : Pareto-Rayleigh model*” (iii) “*Sample Registration System (SRS) is a reliable estimator in Indian Vital Statistics System*” (iv) “*Strengthening vital statistics in India by using unique identification number (NPR) based online census system*”.
8. A research paper titled “ *Aging and Demographic transition in India and its states: A Study of Census 2011*” presented in the **National Seminar** on Population and Development: Issues and challenges in 21st Century, Organized by **International Institute for Population Sciences (IIPS), Mumbai** during 18-19 March **2016**.
9. “*Increase in work participation, Growth and Structure of Workforce in India: An analysis of Census 2011 Data*” – A research Paper presented in the **National Seminar** on Population and Development: Issues and challenges in 21st Century, Organized by **International Institute for Population Sciences (IIPS), Mumbai** during 18-19 March **2016**.

10. Attended for a Two day **National Level conference** on Applications of Statistics in Commerce, Economics and Social Sciences from 8th -9th January **2016** Organized by **Shri Jagdishprasad Jhabarmal Tibrewala University (JJTU), Rajasthan** and presented a paper “*Effects of Socio-Economic factors on children ever born: a comparative study using census data*”.
11. Presented a research paper titled “*Modified Maximum likelihood Estimation in Pareto-Rayleigh Distribution*” in the **National Seminar** on Recent Developments in Applied Statistics, held at Balwant College, Vita, **Shivaji University, Kolhapur (M.S.)** held on 25th and 26th **September, 2015**.
12. “*Hybrid Group Acceptance Sampling Plan based on Size biased Lomax model*” – A research paper presented in the **International Conferene** on ‘Recent Advances in Statistics and their Applications’ (ICRASTAT- 2013), Organised by **Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.)** during **December, 26 -28, 2013**.
13. Presented a research paper titled “*Acceptance Sampling Plans: Size Biased Lomax Model*” in the **International conference** on ‘Frontiers of Statistics and its applications’(ICONFROST-2012) organized by Department of Statistics, **Pondicherry University, Pondicherry**, during 21-23rd December **2012**.
14. “*Fuzzy Cluster Index: An Angle Oriented Face Recognition Using RSA*” – A research paper Presented in an **International Conference** on ‘Mathematics, Statistics and Computer Engineering held at **Vijayawada** during 13-14, September, **2012**, Organised by International Multidisciplinary Research Foundation (IMRF).
15. Attended for an **IEEE sponsored conference** on Advances in communication, Navigation and computer Networks (ACNCN-2012) held at **Andhra University** during 17th – 18th March, **2012** and **presented a research paper** titled ‘*Efficient K-means cluster Reliability on Ternary Face Recognition Using Angle Oriented Approach*’
16. Attended and **International Conference** – XXXI Annual convention of Indian Society for Probability and Statistics(ISPS) International Conference on Statistics, Probability and Related areas organized by Cochin University of Science and Technology, **Cochin, Kerala, India, December 19-22, 2011**. And presented a research paper titled ‘*Percentiles of Range in Laplace Model: Some applications*’.
17. **International Congress** on Productivity, Quality, Reliability Optimization and modeling, organized by **Indian Statistical Institute, Delhi,07-08, February, 2011**, presented a paper titled *Increasing the Reliability of Angle Oriented Face Recognition using DCT*.
18. **International Conference** on Statistics, Probability, Operations Research, Computer Science and allied Areas, 04-08, January **2010** held at Dept.of statistics, **Andhra University, Visakhapatnam** and presented a paper titled *SPRT – Software quality assessment*.
19. **VI International Symposium on Optimization and Statistics (ISOS-2008)**, December 29-31, **2008** held at Department of Statistics and Operations Research, **Aligarh Muslim University, Aligarh, India**, Presented a paper titled *Modified Pareto Distribution*.
20. Presented a Paper “*Simple Linear Regression: Pareto error variate*” in **National Seminar** on recent developments in Statistical Science, conducted by **Nagarjuna University, December, 2005**.
21. Presented a paper “*Some estimation problems in a Pareto type distribution*” in a **National Conference** named as ‘XXIII Annual conference of Indian Society for Probability and Statistics’, conducted by **Nagarjuna University, December, 2003**.
22. **International Conference** on Statistical Inference and Reliability along with the XXI Annual Conference of Indian Society for Probability and Statistics (ISPS) and Annual Conference of Indian Chapter of International Society of Bayesian Analysis, December 21st-24th, **2001** held at Panjab University, Chandigarh, Presented a Paper on “*Variable Control Charts for Process Mean with reference to Double Exponential Distribution*”.

23. **National Seminar** on “Infrastructure Development and Financing” on 28th April, **2000** organized by **Alagappa University**, Karaikudi, presented a paper on “*The Role of Quality Control in Infrastructure Development*”.
24. **National Seminar** on Stochastic Modeling and its Applications” On Dec 24th to 26th, **1999** conducted by **Indian Society for Probability and Statistics Andhra University**, Vizag, presented a paper on “*Control Charts for Averages – Half Logistic Model*”.
25. **National Conference** on :” Application of Mathematics in Social and Industrial Sector in Next Millennium” from October 26 – 27, **1999** conducted by Dept. of Mathematics, **Birla Institute of Technology**, Ranchi, Bihar, presented a paper titled “*Application of statistical tools in Social and Industrial Sectors*”.
26. **National Conference** on “*Business Competitiveness and Growth through Quantitative Methods*” from August 6th to 8th, **1998** conducted by **Indian Statistical Institute – Chennai**, presented a paper in the conference titled “*Estimation of process Capability Index for Half Logistic Distribution*”
27. National Seminar on “Statistical Quality Management”, from 29th – 30th **January, 1997**.
28. Second Annual Conference of Society for Development of Statistics (S. D. S.) on 27-11-1993.

QIP / Short term / Refresher Courses attended:

1. **One Week** DSR-SERB sponsored Workshop on ‘Machine Learning Evolve Predictive Data Analytics’ Organised by Department of Information Technology, SRKR Engineering college, Bhimavaram, during 23rd to 28th **July, 2018**.
2. Participated in the Workshop on “Innovation & Incubation Centers in Engineering Colleges” held at SRKR Engineering College, Bhimavaram, on 9th March **2017**, Bhimavaram, In Association with Atal innovation Mission, NITI Aayog, Government of India.
3. National level workshop on ‘**Statistical Computation With R**’, organized by Department of Statistics, Acharya Nagarjuna University, Nagarjuna Nagar, Guntur, A.P. on 22nd **February, 2017**.
4. **One Week** National Level Faculty Development programme on ‘Big Data Analytics’ delivered by Innovations Technologies (India) held at Shri Vishnu Engineering college for women (Autonomous) on 2nd to 6th August **2016**.
5. National work shop on “ Research methodology and Report Drafting – Commerce–Management and Social Sciences” – on 29th to 30th **January, 2016** held at Adikavi Nannaya University, Rajahmundry.
6. Role of mathematics in technical education-2016(RMTE-16) held at S.R.K.R. Engineering College, Bhimavaram on 6th January, **2016**.
7. **Five Day** National Level Faculty Development Program on Real Time Applications of Mathematics (REAM-2014) held between 25th – 29th November **2014**, organized by Shri Vishnu Engg. College for Women, Bhimavaram.
8. One day national level workshop on IPR AND PATENTS organized by Research & Development Centre, Shri Vishnu Engineering College for Women on 25th October **2014**.
9. Participated in the Regional workshop on ‘Web based student, Faculty and Staff Satisfaction Survey’ held at M S Ramaiah Institute of Technology, Bangalore, on 22nd September, **2014**, Organized by State Project Facilitation Unit(SPFU) – Karnataka.
10. Participated in the workshop on ‘Multivariate Data Analysis using SPSS’ held at Institute of Management Technology, Nagpur between 22nd -24th April, **2013**.
11. Participated in the workshop on ‘Cyber security and Malware analysis’ (level-1) at Shri Vishnu Engineering College for Women, Bhimavaram during 03rd and 4th January **2012**.
12. Attended for a National level workshop on ‘Design of Experiments and Operations Research’ held at Department of Statistics, Acharya Nagarjuna University, during 8th and 9th December, **2011**

13. Attended for a training programme on Certification process of IMC Ramakrishna Bajaj National Quality Award(IMCRBNQA), and **qualified in Certified Examiners course National Seminar** on “Statistical Quality Management”, **May-2011**.
14. Participated as delegate at the state level P.G. CDE programme and Hands on “Bio Statistical methods in Dentistry” held on 19th **August 2011** at Vishnu Dental College Bhimavaram.
15. Participated in the Workshop on ‘Easy Now’ Open Source ICT Tools held from July 4 to 8, **2011** at Shri Vishnu Engineering College for Women, Bhimavaram.
16. Attended a workshop on **Intellectual Property Rights and Entrepreneurship (IPR&E)** held in April **2011**, Organised by Sri Vishnu Educational Society at Hyderabad.
17. Participated in an **International Workshop** on Six Sigma, Lean Philosophy and Taguchi Methods 04-05 February, **2011**, organized by Indian Statistical Institute, Delhi
18. Participated in a **Quality improvement Programme** on ‘Student Counseling and Career Guidance’ conducted by NITTTR, Chennai, at Shri Vishnu Engineering College for Women, Bhimavaram, June, **2008**.
19. Participated in a **Mathematical workshop** on ‘Mathematical Techniques and their Applications to Engineering and Physical problems’ in May **2008**, conducted by MVGR College of Engineering Vizianagaram.
20. Attended for a **Two day work shop** on “Real time Engineering Applications of Mathematics” held at Shri Vishnu Engineering College for Women, Bhimavaram, September, **2007**.
21. Participated in a **Two week short term programme** on “Decision Making tools in Engineering conducted by **I. I. T Kharagpur**, December, **2006**.
22. Participated in a **Mathematical workshop** on ‘Recent trends in Mathematics applied to Science and Technology’ in **April 2006**, conducted by Gudlavalleru Engineering College, Gudlavalleru.
23. Participated in a **Quality improvement Programme** on ‘Instructional Design and Delivery’ conducted by NITTTR, Chennai, at Swarnandhra College of Engineering and Technology, Narsapur, in **June 2006**.
24. Certificate course on **ISO-9001-Internal Quality Audit** conducted by Organization Development Consultants, Hyderabad, **April, 2005**.
25. Participated in a **Short term Programme** on ‘Accreditation of Technical Institutes’ conducted by NITTTR, Chandigarh, at Swarnandhra College of Engg. And Technology, Narsapur in **June 2005**
26. Participated in a **Short term Programme** on ‘Accreditation of Technical Institutes’ conducted by **NITTTR, Chandigarh**, in **December 2004**.
27. Participated in the **work shop** on ‘Linear Models and Data Mining (LMDM)’ organized by the Department of Statistics, Nagarjuna University in **December, 2003**.
28. Attended for **ONE MONTH Refresher Programme** on Management, conducted by Alagappa Institute of Management, Alagappa University, **Karaikudi** in **May 2000**.
29. Participated in the **work shop** on ‘Personality Development’ Organized by the Department of Management Studies, K.G.R.L. College, Bhimavaram, in **November 1999**.