

Dr. P. PRASHANTH KUMAR

Email Id:

prashanthkumar@aceec.ac.in

prashanth1108@yahoo.com

Cell: +918897599785



Career Objective:

- To pursue an outstanding career with 23+ years of experience (**12+ years after Ph. D**) in the field of teaching and research in **Mathematics/Statistics** and specialized in, **Operations Research and Optimization Techniques**.

Academic Career:

- Ph. D.** from Choudhary Charan Singh University, Meerut, U.P – India.[2008]
[Operations Research and its Applications to Health-Care Administration]
- M.Sc [Tech] Mathematics** with First Division[64%] from Jawaharlal Nehru Technological University, Hyderabad, A.P-India.[1996-1999]
- PGDCA** with First Division [75.8%] from M-TECH Computer Training Centre, Affiliated to JNNYC, Approved by D.R.D. Govt. of India, Hyderabad, A.P-India.[1995-1996]
- B.Sc [Mathematics]** with Higher Second Division [59%] from Kakatiya University, Warangal, A.P-India.[1992-1995]

Experience:

- Ratified faculty member by JNTU, Hyderabad G.O.Ms.No.14, Letter No. RP/PVT/Selections/2012, Dated: 02.02.2014**
- Working as a Professor at Ace Engineering College, Hyderabad, Telangana, India from 14th February 2019 to till date.
- Worked as an Associate Professor at Wollega University, Ethiopia from 3rd October 2016 to 05th July 2018
- Worked as an Associate Professor at Mahaveer Institute of Science and Technology, Hyderabad, Telangana, India from 22nd July 2010 to 15th October 2013 and 3rd August 2015 to 3rd August 2016.
- Worked as an Associate Professor at Jimma and Hawassa University, Ethiopia from 15th December 2008 to 15th July 2010 and 18th October 2013 to 31st July 2015.
- Worked as an Associate Professor at Scient Institute of Technology, Hyderabad, AP, India between 19th September 2005 and 30th November 2008.

- Worked as an Assistant Professor at Vignan and Joginpally B.R. Engineering College, Hyderabad, AP, India between 5th October 2001 and 16th September 2005.
- Worked as a Lecturer at J.M.J. Jr and Degree Colleges, Warangal, AP, India between 15th June 1999 and 18th September 2001.

Software Skills:

- **Operating Systems:** Windows.
- **Business Intelligence Tool:** SAS 9.0, SPSS 16.0.
- **Web Technologies:** HTML, Oracle.
- **Office Suit:** MS-Word, MS-Excel

Analytical Capabilities:

- Quantitative and qualitative analysis including descriptive statistics and inferences
- Multivariate Analysis (Cluster, Factor, Discriminate Analysis)
- Proficiency in **OR** Techniques
- Linear Models and Regression Analysis
- Cross Tabulations and continuous and discrete distributions

List of papers Published/Communicated

- Communicated a paper Chebyshev Goal Programming model for Effective Decision Making - A Case Study, in an International Journal.
- The research paper **Assessment of Corporate Social Responsibility in Private Hospitals** (A case study on Dessie city Hospitals, Ethiopia) in an "IOSR Journal of Business and Management (IOSR-JBM)" Volume 23, Issue 12. Ser. II, 52-62, December. 2021, ISSN: 2278-487X.
- The research paper on '**A Brusselator type population model based on oscillating chemical reactions**' in an "International Journal of Advanced Research in Engineering and Technology", Volume 11, Issue 10, 633-642, October 2020, ISSN 0976-6499.
- The research paper on '**Goal Programming through Bakery production**', published in an International Journal of Scientific & Technology Research Volume 8, Issue 10, 3722-3725, October 2019. ISSN 2277-8616.
- The research paper on '**An Optimization techniques on Managerial Decision Making**' published in an International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 8, Issue 6, 507-516, Dec 2018. ISSN(P): 2249-6890; ISSN(E): 2249-8001.

- The Research paper on '**Comparison between LP and GP models on Small Scale Industry**', published in an *International journal of Management, It and Engineering, page*, Vol. 8, Issue 11, 143-153, November 2018. ISSN: 2249-0558.
- The Research paper on '**Computational Studies and Multivariate Analysis of Global and Local Reactivity Descriptors of Five Membered Heterocycles Molecules by Density Functional Theory (DFT)**' published in a journal, *International journal of pure and applied researches*, vol. 1, No. 1, Dec-2015. ISSN: 2455-474X
- The Research paper on '**Infant and Child Mortality in Ethiopia: Statistical Analysis Approach**', published in a journal, *Ethiopian Journal of Education and Science- Vol.5, No. 2, April 2011*. ISSN-1998-8907.
- The Research paper on '**Potential Avoidability-A Statistic for controlling in-Patient Utilization in Acute Care Hospitals**' published in a Journal, *Journal of Mathematics and Systems Sciences – 1[4], 31-40, 2008*.
- The Research paper on '**Blood Bank Inventory Control**' published in a Journal, *Journal of Mathematics and Systems Sciences – 1[4], 19-30, 2008*.
- The Research paper on '**An Application of Goal Programming in the Allocation of Anti – TB Drugs in Rural Health Centers in India**'. *Reflections des ERA, 2(2), 185-192, 2007*.
- The Research paper on '**Goal Programming for Health-Care Planning**' published in a Journal, *Acta Ciencia Indica –Vol.XXXII M, No.2, 751, 2006*. ISSN-0970-0455.
- The Research paper on '**Operations Research in Health-Care - An Updated Bibliography**' published in a Journal, *Acta Ciencia Indica –Vol.XXXI M, No.2, 411, 2005*. ISSN-0970-0455.

Invited Talks/Presented/Participated

- Delivered an **Invited talk** on '**Goal Programming and Its Applications**' in the national conference on Analysis and Applications of Mathematics (**NCAAM-2013**) at Reva Institute of Technology and Management, Bangalore, India.
- Delivered an Invited talk on '**Mathematics-Operations Research**' in the students' seminars, Hawassa University, Hawassa.
- Presented a paper on '**Goal Programming for Health-Care Planning**' in Operational Research Society of India at Indian Institute of Management, Ahmadabad, India.
- Participated a seminar on '**Applications of Mathematics in Science and Technology**' at Vignana Bharathi Institute of Technology, 29th March, 2019, Hyderabad, Telangana, India.

- Participated FDP on Advancements in Mathematics and Physical sciences and their Educative Reflections in Engineering (**AMPERE-2019**) at Vignan Institute of Technology and Science, 1st to 6th July, 2019, Hyderabad, Telangana, India.
- Participated national workshop on **Outcome Based Education under TEQIP III** at Jawaharlal Nehru Technological University, 5th to 7th March, 2020, Hyderabad, Telangana, India.
- Participated One day national level webinar on **Digital Era in Indian Higher Education**, jointly organized by the IQAC of Shri Shivaji College, Parbani and Hingoli, Maharastra on 12th June 2020.
- Participated a webinar on "**Recent Developments in Mathematics and its Applications**", organized by GITAM Institute of Sciences, Visakhapatnam, Andhra Pradesh on June 2020.

Additional Responsibilities:

- Editorial Board Member in **Pure and Applied Mathematics Journal**.
- Designed '**Operations Research course curriculum for Ph. D**' in Wollega University, Ethiopia.
- Designed **Research Methodology** course for '**M.sc**' for Wollega University, Ethiopia.
- Worked as '**HOD**', Department of Science and Humanities at Mahaveer Institute of Science and Technology, Hyderabad, India.
- Committee Member and Designed Operations Research course for '**Ph. D Curriculum**' for Hawassa University, Hawassa, Ethiopia.
- Committee Member for Designing '**M. Sc Mathematics Curriculum**' for Jimma University, Ethiopia.
- Editor in Chief for '**MIST NEWSLETTER**' at Mahaveer Institute of Science and Technology, Hyderabad, India.
- Co-convenor for '**Techno-mist 2k12**', A National Symposium for Technical Students conducted in Mahaveer Institute of Science and Technology, Hyderabad, AP, India.
- Guided several '**Academic Projects**' at Graduate level in Jimma University and Hawassa University, Ethiopia.
- Taught **Arithmetic reasoning classes** for MBA, MCA and Engineering Students.
- Taught Operations Research, Quantitative Techniques and Probability & Statistics for MBA, MCA, Mechanical Engineering and Computer Science Engineering Students.

- Handled Discrete Mathematics, Real Analysis, Complex Analysis, Matrices, Mathematical Foundation for Computer Science, Optimization Techniques, Mathematics-1, Mathematical Methods, Numerical Methods, Calculus and Differential Equations for **B. Tech**, **B. Sc** and **M. Sc** Students.

PERSONAL DETAILS

- Name : PULIGILLA PRASHANTH KUMAR
- Father's Name : P.RUKKAIAH
- Date of Birth : 11th AUGUST, 1974
- Sex : MALE
- Marital Status : MARRIED
- Passport no : S 7774233
- Permanent Address : Flat No: 103,
Maanivasam Apartment,
Haripuri colony, road no 3/1,
Alkapuri, RK puramr,
Hyderabad- A. P. India -500035.