

## CURRICULAM VITAE

### **Dr. KIRAN KUMAR PAIDIPATI**

Assistant Professor  
Area of Decision Sciences,  
Indian Institute of Management Sirmaur,  
Rampur Ghat Road, Paonta Sahib, Dist: Sirmaur, HP

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### **OBJECTIVE**

Looking for a challenging opportunity in a reputed organization to apply my academic knowledge for its development through collective efforts, besides honing my skills and have a good career.

<b>Degree</b>	<b>Name of the Institution</b>	<b>Year of Passing</b>
Post-Doctoral Fellow	<b>Pondicherry University</b>	September 2017 to January 2020
Ph.D. Statistics	<b>Pondicherry University</b> Pondicherry.	August-2016
M.Sc. Statistics	<b>Sri Venkateswara University, Tirupathi.</b>	2012
B. Sc. (Mathematics, Statistics, Computer Science)	<b>Sri Venkateswara University, Tirupathi</b>	2010
M.P.C. (Mathematics, Physics, Chemistry)	Board of Intermediate Education, Andhra Pradesh	2007
SSC	Board of Secondary Education, Andhra Pradesh	2005

### **PERSONNEL SKILLS**

- Adaptability to dynamic working environments to explore my abilities and tune within the requirements of organization.
- Handling challenging and creative academic/ research problems within the frame work of statistics.

### **AREAS OF INTEREST**

- Stochastic Modeling
- Operations Research
- Data Science
- Applied Statistics

### **Professional Certification:**

- Qualified **Lean Six Sigma Green Belt (LSS-GB)** Holder

### **Membership in Academic/Professional Bodies:**

- 2022: **Member, Confederation of Indian Industry (CII) Northern Regional Committee on Lifesciences & Biotech** for the year 2022-23
- 2021: **Life Member**, Indian Science Congress Association (ISCA)
- 2012: **Life member**, Indian Society for Probability and Statistics (ISPS)

### **COMPUTER PROFICIENCY**

- MS Office
- SPSS, Minitab, R-Programming, Python Basics
- LINGO, MATHCAD
- Bowtie, Perl and Machine Learning Techniques for Genome wide Associations (GWAS)

### **ACADEMIC ACHIEVEMENTS**

- Won “**Second Prize**” in “**ISPS Annual Level Inter University Project Competition**” jointly organized by Indian Society for Probability and Statistics (ISPS) and Cochin University of Science and Technology, Cochin, During 19-22, December 2011.
- Cleared Andhra Pradesh State Eligibility Test (**APSET-2012**) for Assistant Professor/ Lectureship in June, 2012.

### **TEACHING/RESEARCH EXPERIENCE:**

- Working as **Assistant Professor** in the Area of **Decision Sciences**, Indian Institute of Management, Sirmaur, Himachal Pradesh from 1<sup>st</sup> February 2022 to till date.
- Worked as **Assistant Professor**, Department of Statistics, Lady Shri Ram College for Women (University of Delhi), New Delhi-110024 from 6<sup>th</sup> January 2020 to 31<sup>st</sup> January 2022.
- Worked as **Post-Doctoral Fellow** in the Department of Statistics, Pondicherry University from 1<sup>st</sup> September 2017-5<sup>th</sup> January 2020.
- Worked as **Guest Faculty** in the Department of Statistics, Pondicherry University during 15<sup>th</sup> September 2016 to 11<sup>th</sup> January 2017.

### **Courses Taught for UG and PG students:**

1. Quantitative Analysis of Management – I
2. Business Statistics
3. Advanced Analytics – I
4. Basic Statistics
5. Statistical Methods
6. Applied Statistics
7. Programming in R

8. Introductory Probability
9. Financial Statistics
10. Statistical Computing Using C/C++ Programming

#### Student Projects (PG) Guided:

1. Project work entitled “*Epidemiology study of Malaria Incidence in India- Time Series Data of NVBDCP during 2001-2017*” by T.V.V. Surya Kiran and Sarvagalla Bharathi.
2. Project work entitled “*Statistical Evaluation for Exploring Risk Factors of Breast Cancer in Kerala: A Case-Control Study*” by Arunima S Kannan
3. Project work entitled “*Forecasting of Agricultural Food Grains in India*” by Janani. S and Sugata Ranjan Das
4. Project work entitled “*A Comparative Study for Exploring Women Empowerment Index through various Indicators in India*” by Amrutha G. S.
5. Project work entitled “*Social and Demographic Indicators in India after Independence*” by Suresh M., and Gomathi V.

#### PUBLISHED AND COMMUNICATED RESEARCH PAPERS IN THE INTERNATIONAL / NATIONAL JOURNALS:

- Singh, M., Ragoju, R., Reddy, G., Matta, A., **Paidipati, K. K.**, & Chesneau, C. (2022). Non-linear magnetoconvection in a bidispersive porous layer: a brinkman model. *Earth Science Informatics*, 1-10. (SCI-Expanded, I.F.: 2.705)
- Ramchandraiah, C., Kishan, N., Reddy, G. S. K., **Paidipati, K. K.**, & Chesneau, C. (2022). Double-Diffusive Convection in Bidispersive Porous Medium with Coriolis Effect. *Mathematical and Computational Applications*, 27(4), 56. (ESCI, **Web of Science Indexed**)
- Reddy, G. S. K., Koteswararao, N. V., Ravi, R., **Paidipati, K. K.**, & Chesneau, C. (2022). Dissolution-Driven Convection in a Porous Medium Due to Vertical Axis of Rotation and Magnetic Field. *Mathematical and Computational Applications*, 27(3), 53. (ESCI, **Web of Science Indexed**)
- **Paidipati, K. K.**, Banik, A., Shah, B., & Sangwa, N. R. (2022). Forecasting of Sugarcane Productivity Estimation in India-A Comparative Study with Advanced Non-

Parametric Regression Models. *JOURNAL OF ALGEBRAIC STATISTICS*, 13(2), 760-778. (ESCI, Web of Science Indexed)

- P S, Lalitha, **Paidipati, K. K.**, & Kumar, A. (2021). Customer Relationship Management Practices of Indian Public and Private Sector Banks: An Exploratory Study. *Indian Journal of Finance and Banking*, 7(1), 1-12. <https://doi.org/10.46281/ijfb.v7i1.1278> (ABDC-C listed Journal) ISSN: 2574-6081
- **Paidipati, K.K.**; Komaragiri, H.; Chesneau, C. Pre-Emptive and Non-Pre-Emptive Goal Programming Problems for Optimal Menu Planning in Diet Management of Indian Diabetes Mellitus Patients. *Int. J. Environ. Res. Public Health* 2021, 18, 7842. ISSN: 1660-4601, <https://doi.org/10.3390/ijerph18157842> (Scopus, Science Citation Index-Expanded (SCI-E), and Social Science Citation Index (SSCI), Impact Factor: 3.390)
- **Kiran Kumar Paidipati**, Hyndhavi Komaragiri and Christophe Chesneau, Goal Programming Problems for Optimal Selection of Raw Food Items in Diet with Energy as Objective Function, *Asian Journal of Mathematics and Applications*, Volume 2021, Article ID ama0592, 11 pages, ISSN 2307-7743.
- **Paidipati, K.K.**; Chesneau, C.; Nayana, B.M.; Kumar, K.R.; Polisetty, K.; Kurangi, C. Prediction of Rice Cultivation in India—Support Vector Regression Approach with Various Kernels for Non-Linear Patterns. *AgriEngineering* 2021, 3, 182-198, ISSN: 2624-7402. <https://doi.org/10.3390/agriengineering3020012> (ESCI, Web of Science Indexed)
- Tirupathi Rao Padi, **Kiran Kumar Paidipati**, Madhumita Oram, Optimal Land Allocation Programming Problems for Agricultural Revenue Maximization in Andhra Pradesh, *Agricultural Science Digest- A Research Journal of Agriculture, Animal & Veterinary Sciences*, Vol:40, Issue-3, Pages:275-279, September 2020, ISSN: 0253-150X. DOI: [10.18805/ag.D-5019](https://doi.org/10.18805/ag.D-5019) (NAAS Rated, Scopus and Web of Science indexed Journal)
- **Kiran Kumar Paidipati** and Arjun Banik, Forecasting of Rice Cultivation in India—A Comparative Analysis with ARIMA and LSTM-NN Models, *EAI-Endorsed Transactions of Scalable Information Systems*, sis 20(24): e8, Page No:1-11, ISSN: 2032-9407, 2020. <http://dx.doi.org/10.4108/eai.13-7-2018.161409> (ESCI, WoS Indexed)
- Polisetty, K. and **K.K. Paidipati**. (2020), Statistical assessment of trend analysis on production of wheat crop over India. *Sarhad Journal of Agriculture*, 36(1): 178-184,

ISSN: 2224-5383, DOI:<http://dx.doi.org/10.17582/journal.sja/2020/36.1.178.184>  
(Scopus Indexed)

- Kalpana P, Madhavi K, Venkateswaran M, **Kiran Kumar P**, A Research on Change Point and Trend Scrutiny: with Reference to Castor in India, **International Journal of Engineering and Advanced Technology (IJEAT)**, ISSN: 2249–8958, Volume-9 Issue-1S5, pp. 240-244, ISSN: 1633-1311 (print); 2116-7125 (online) December, 2019. (Scopus Indexed)
- Kalpana Polisetty, **Kiran Kumar Paidipati** and Jyostna Devi Bodapati, Modelling of Monthly rainfall patterns in north-west India using SVM, **Ingenierie des Systemes d'Information**, Vol.24, No.4, Page No: 391-395, ISSN: 1633-1311 (print); 2116-7125 (online), 2019. <https://doi.org/10.18280/isi.240405> (Scopus Indexed)
- **Paidipati, K. K.**, & Padi, T. R. (2017). Optimal Programming Problems for Crop Planning and Agricultural Resource Management. *Archives of Business Research*, 5(12), 282-293, ISSN: 2054-7404.
- **Paidipati K K** and Rao Padi T., Extended Stochastic Models for Management of Type-2 Diabetes Mellitus (T2DM) Patients, *J Adv Res Appl Math Stat*, ISSN: 2455-7021; Vol: 2 (3&4), pp-1-8, 2017.
- **Paidipati K K** and Rao Padi T., Coupled Stochastic Differential Modeling for Glucose and Insulin levels among Healthy and Diabetic Patients. *J Adv Res Appl Math Stat*, ISSN: 2455-7021; Vol. 2 (No. 1&2): 22-30, 2017.
- **Kiran Kumar Paidipati** and Tirupathi Rao Padi, “Bivariate Stochastic Modelling of Glucose and Insulin Regulatory System among Type -2 Diabetes Mellitus”, *Bulletin of Mathematical Science and Applications*, ISSN: 2278-9634, Vol. 11 (2015) pp. 30-43, Sci Press Ltd., Switzerland, doi:10.18052/www.scipress.com/BMSA.11.30
- P. Tirupathi Rao, **Kiran Kumar Paidipati** and C. Umashankar, “Stochastic Programming for Optimal Decision Making Through Scaling Measures”, *International Journal of Management and Information Technology*, Vol.6, No.1, pp.665-671, ISSN 2278-5612, 2013, <https://doi.org/10.24297/ijmit.v6i1.748>.
- Tirupathi Rao Padi, Kalpana Polisetty and **Kiran Kumar Paidipati**, “Optimization Models on Management of Multiple Sclerosis”, *International Journal of Current Research*, Vol. 5, Issue. 9, pp.2570-2575, ISSN-0975-833X, 2013.
- D. Satyanarayana Murthy, Suresh Kumar Patra and **Kiran Kumar Paidipati**, “Construction of Financial Liberalisation Index for India: An Application of Principle

Component Analysis”, International Journal of Social and Economic Research, ISSN: 2249-6270, Vol.3, Issue 4, pp.392-399, 2013.

#### **PUBLISHED BOOKS/CHAPTERS**

- **Kiran Kumar Paidipati** and Tirupathi Rao Padi, *Studies on Some Stochastic Models for Type-2 Diabetes Mellitus*, LAP-LAMBERT Academic Publications, ISBN: 978-613-4-93088-8 (2018).
- **Kiran Kumar Paidipati** and Lalitha PS, chapter contribution entitled on “**Imminent Outlook of Future Banking Technologies in India after COVID-19**”, Business Finance: The Changing Scenario, New Vision Publications, New Delhi, ISBN: 978-81-949466-5-6 (2021)

#### **ORGANIZED CONFERENCES/SEMINARS/SYMPOSIA/WORKSHOPS**

- **Organizing Committee Member**, National Seminar on Stochastic Modelling and Optimization Methods (NSSMOM)-2018, organized by the Department of Statistics, Pondicherry University, during 30<sup>th</sup>-31<sup>st</sup> January 2018.

#### **DELIVERED INVITED TALKS IN CONFERENCES/SEMINARS/SYMPOSIA/WORKSHOPS/FDP'S**

- Delivered an invited talk on the topic entitled “**Stochastic Models- A Special Case to Type-2 Diabetes Mellitus**” in the **One Week Faculty Development Programme on Mathematical and Statistical Modelling** organized by the Department of Humanities and Basic Sciences (Mathematics and Statistics), Godavari Institute of Engineering and Technology, Andhra Pradesh, during 26<sup>th</sup> May to 30<sup>th</sup> May 2020.
- Delivered a Guest Lecture entitled “**Statistics and Social Sciences**” in the Department of Political Science, University of Delhi on 3<sup>rd</sup> March, 2020

#### **PAPERS PRESENTED IN THE INTERNATIONAL / NATIONAL CONFERENCES**

- Arjun Banik, Hemanth Kumar M and **Kiran Kumar Paidipati**, “**Prediction of Sugarcane Yielding in India - A Comparative Analysis with Advanced Non-parametric Regression models**”, National Conference on Recent Advances on Statistical Significance in Research (RASSR-2020), organized by Department of Statistics, Sri Venkateswara University, Tirupathi during 17<sup>th</sup>-18<sup>th</sup> February 2020.
- **Kiran Kumar Paidipati**, Mathavan M and Tirupathi Rao Padi, “**Epidemiological Study of Malaria Incidence (MI) in India-Time Series Data of NVBDCP during 2001-2017**”, International Conference on Computer Age Statistics in the era of Big and

High Dimensional Data, Organized by Department of Statistics, Savitribai Phule Pune University, Pune during 03-05, January 2019.

- **Kiran Kumar Paidipati**, Tirupathi Rao Padi and Chiranjeevi Gudala, **Stochastic Model for Portfolio Management with Risky Assets**, International Conference on Theory and Applications of Statistics and Information Sciences (TASIS-2018) in conjunction with XXXVII Annual Convention of ISPS & IBS, organized by Department of Statistics, Bharathiar University, Coimbatore during 5<sup>th</sup> -7<sup>th</sup> January 2018.
- **Kiran Kumar Paidipati** and Tirupathi Rao Padi, “**Stochastic Modeling of Glucose and Insulin Regulatory Dynamics in Type-2 Diabetes Mellitus Patients**”, National Seminar on the Role of Statistical Tools in Data Analysis of Research Projects and Thesis”, Dept. of Statistics, P.V.K.N. Govt. College, Chittoor, Andhra Pradesh during 26 -27, June, 2015.
- Research Paper entitled “**Bivariate Stochastic Modeling for Glucose and Insulin Regulatory System among Type -2 Diabetes Mellitus Patients during Physical Activity**” authored by **Kiran Kumar Paidipati and Tirupathi Rao Padi**, presented in the National Conference on “Emerging Trends in Statistical Research: Issues and Challenges (NCETSR) organized Department of Statistics, Pondicherry University during 16-17 February 2015.
- Research Paper entitled “**Simultaneous Linear Differential Equations for Modeling of Glucose and Insulin Regulatory System among Type -2 Diabetes Mellitus Patients**” Authored by **Kiran Kumar Paidipati** and Tirupathi Rao Padi, presented in the International conference on OR for Big data and Analytics in conjunction with 47<sup>th</sup> Annual Convention of Operational Research Society of India (ORSI) organized by Sri Venkateswara University, Tirupathi during 1-3 Dec, 2014.
- Research Paper entitled “**Bivariate Stochastic Modeling for Glucose and Insulin Regulatory System among Type -2 Diabetes Mellitus Patients with an approach of Laplace Transformation**”, Authored by **Kiran Kumar Paidipati** and Tirupathi Rao Padi, presented in the International conference on Statistics and Information Technology for growing nation and 34<sup>th</sup> Annual Convention of Indian Society for Probability and Statistics (ISPS) organized by Dept. of Statistics, Sri Venkateswara University, Tirupathi during 30<sup>th</sup> Nov- 2<sup>nd</sup> Dec, 2014.
- Research Paper entitled “**The Highlights of SC Population in Puducherry: An Overview**”, authored by **Kiran Kumar Paidipati** and Tirupathi Rao Padi, is presented in the workshop on Census Data Dissemination organized by Department of Statistics, Pondicherry University and Directorate of Census Operation, Puducherry, on 29th January 2014.
- Research Paper entitled “**Stochastic Modeling of Glucose, Insulin and  $\beta$ -cell Mass in Type-2 Diabetes Mellitus**”, authored by **Kiran Kumar Paidipati** and Tirupathi Rao Padi, is presented in the International Conference on Recent Advances in Statistics and

Their Applications and 33<sup>rd</sup> Annual Convention of Indian Society for Probability and Statistics (ISPS), Organized by Department of Statistics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.), India during 26-28, December 2013.

- Research Paper entitled “**Predictive Stochastic Models on Glucose and Insulin size in a Blood Stream Through Differential Difference Equations**” authored by **Kiran Kumar Paidipati** and Tirupathi Rao Padi, is presented in the International Conference on “Recent Developments on Statistical Theory and Practice”, organized by Department of Statistics, Pondicherry University, during 14-16 December, 2013.
- Research Paper entitled “**Applications of Queueing Models in Study of Relapsing & Remitting Multiple Sclerosis**” authored by **Kiran Kumar Paidipati** and P. Tirupathi Rao, is presented in the International Conference on “Frontiers of Statistics and Its Applications” organized by the Department of Statistics, Pondicherry University during 21<sup>st</sup> - 23<sup>rd</sup>, December 2012.

#### **PARTICIPATION IN ONLINE COURSES:**

- Participated in Three Day International Online workshop on “**SEM and CFA using AMOS software**”, organized by Global Institute of Statistical Solutions during 9<sup>th</sup> - 11<sup>th</sup> July 2021.
- Participated in One Day International Webinar on **Recent Advances in Statistics**, on the occasion of **National Statistics Day**, organized by the Department of Mathematics, GITAM Institute of Science, GITAM Deemed to be University during 29<sup>th</sup> June 2021.
- Participated in Three Day International Online workshop on “**Data Analysis using Business Excel**”, organized by Global Institute of Statistical Solutions, during 26<sup>th</sup>-28<sup>th</sup> June 2021.
- Participated in Five Day International Online workshop on “**Documentation through LATEX**”, organized by Global Institute of Statistical Solutions during 18<sup>th</sup> -22<sup>nd</sup> June 2021.
- Participated in the International Webinar on “**Advances in Operational Research for Optimal Humanosphere**” organized by Operational Research Society of India (ORSI) - Tirupati Chapter in association with Indian Society for Probability and Statistics (ISPS) and Department of Statistics, S.V. University, Tirupati during 20-22, November, 2020.
- Participated in the International Webinar on “**Advances in Statistics and Data Science for Sustainable Human Development**” organized by Indian Society for Probability and Statistics (ISPS) and Statistics Alumni, Department of Statistics, S.V. University, Tirupati during 7-10, September, 2020.
- Participated in the National Webinar on “**Financial Mathematics: Pedagogy and Career Perspectives**”, organized by the Department of Mathematics, Lady Shri Ram College for Women, University of Delhi, during 27<sup>th</sup> -31<sup>st</sup> July 2020.



- Participated in **One Day Online Orientation Program on Data Science with R and Python**, organized by Department of Statistics, Pondicherry University on 3<sup>rd</sup> May 2020.
- Participated in the **Two Day Online Executive Development Program on Data Science with R and Python** in the module of **Essentials of R-Programming**, organized by Department of Statistics, Pondicherry University during 9-10, May 2020.
- Participated in the **Two Day Online Executive Development Program on Data Science with R and Python** in the module of **Machine Learning with R-Programming**, organized by Department of Statistics, Pondicherry University during 16-17, May 2020.
- Participated in the **Two Day Online Executive Development Program on Data Science with R and Python** in the module of **Python for Beginners**, organized by Department of Statistics, Pondicherry University during 23-24, May 2020.
- Participated in the **Two Day Online Executive Development Program on Data Science with R and Python** in the module of **Python for Machine Learning**, organized by Department of Statistics, Pondicherry University during 30-31, May 2020.

#### **PARTICIPATION IN FDP'S:**

- Successfully completed AICTE Training and Learning (ATAL) Academy **Online Elementary FDP on "Artificial Intelligence and Machine Learning"** from 04/10/2021 to 08/10/2021 at **National Institute of Technology Raipur**.
- Successfully completed one Week (online) Interdisciplinary FDP on **"Panel Data Analysis using STATA"** organized by the Department of Economics, Sri Venkateswara College in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi under the aegis of MHRD-Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMST) during 11<sup>th</sup> – 16<sup>th</sup> October 2021.
- Successfully completed AICTE Training and Learning (ATAL) Academy **Online Elementary FDP on "Statistical Foundations of Data Science and Machine Learning"** from 27/10/2021 to 31/10/2021 at **Institute of Chemical Technology, Mumbai**.
- Successfully completed one Week FDP on **"E-Learning and Developing MOOC's for Teaching Process in Higher Education"** organized by the Department of Statistics & IQAC, Hindu College in collaboration with Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of MHRD-Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMST) from 14<sup>th</sup> -20<sup>th</sup> December 2020.
- Successfully completed a 4-Week Induction/Orientation Programme for **"Faculties in Universities/Colleges/Institutes of Higher Education"**, organized by the Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of MHRD-

Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) from 26<sup>th</sup> June-24<sup>th</sup> July 2020.

#### **PARTICIPATION IN GIAN COURSES/WINTER/SUMMER SCHOOLS (WEEK OR MORE THAN):**

- Participated in AICTE-QIP Short Term Course on “**Machine Learning in Data Science: Tools, Techniques and Challenges**” organized by Department of Computer Science, Pondicherry Engineering College, Puducherry during 18<sup>th</sup>-23<sup>rd</sup> March 2019.
- Participated in “**Workshop on Data Analytics**” organized by Interdisciplinary Statistical Research Unit (ISRU), Indian Statistical Institute, Kolkata during 10-15 March 2019.
- Participated in GIAN course entitled on “**Algorithms and Methods for Biological Data**” conducted by University of Hyderabad during 11<sup>th</sup> -23<sup>rd</sup> February 2019.
- Participated in IFCAM Winter School on “**Stochastic Methods for Uncertainty Quantification and Sensitivity Analysis of Complex Methods**” organized by Department of Mathematics and Statistics, IISER, Kolkata during 3-14 December 2018.
- Participated in **Five Day Workshop on Python Programming (PySquare-2018)**, organized by Department of Computer Science, Pondicherry University during 06-10, August, 2018.
- Participated in **Seven Days National Level Short Term Course on SCILAB, LATEX and R Programming**, organized by Department of Mathematics, Pondicherry University during 23-29 July 2018.
- Participated GIAN course entitled “**Stochastic Programming and Applications**”, conducted by IIT, Kanpur during 20<sup>th</sup>-27<sup>th</sup> March 2018.
- Participated GIAN course entitled “**Advanced Mathematical Methods for Real Data Analysis: From Partial Differential Equations Approach to Time Series Modelling**” conducted by IIT, Madras during 05<sup>th</sup>-10<sup>th</sup> March 2018.

#### **PARTICIPATION IN THE INTERNATIONAL /NATIONAL SEMINAR/CONFERENCE/WORKSHOPS**

- Participated in **Two-Day Short-Term Training Program on Stochastic Calculus** (under Lecture Series Program), organized by Department of Statistics, Pondicherry University during 10<sup>th</sup>-11<sup>th</sup> February 2018.
- Participated in **National Seminar on Stochastic Modelling and Optimization Methods (NSSMOM-2018)**, organized by Department of Statistics, Pondicherry University during 30<sup>th</sup> -31<sup>st</sup> January 2018.
- Participated in **International Conference on Changing Paradigms and Emerging Challenges in Statistical Sciences** in Conjunction with Bi-Decennial convention of Society of Statistics, Computer Applications, organized by Department of Statistics, Pondicherry University during 29<sup>th</sup> -31<sup>st</sup> January 2018.
- Participated in **Industrial Interface Programme on Statistical Governance & Data Analytics**, organized by Department of Statistics, Pondicherry University during 14<sup>th</sup> - 15<sup>th</sup> December 2017.

- Participated national workshop on “**Data Science and Big Data Analytics**” organized by Department of Statistics, Sri Venkateswara University, Tirupathi, during 17-20, November 2016.
- Participated workshop on “**Wonderful world of Data Mining and Statistical Genetics**”, organized by Department of Statistics, Pondicherry University, held on 18-19<sup>th</sup> July 2016.
- Participated research methodological seminar on “**Odds Ratio and Singular Values-A Contrast (Applications to Population Genetics of Asthma)**”, organized by Department of Statistics, Pondicherry University, held on 18<sup>th</sup> July 2016.
- Participated “**National Statistics Day cum One-day workshop on Data Science and Big Data Analytics**” organized by Department of Statistics, Pondicherry University, held on 15<sup>th</sup> July 2016.
- Participated workshop on **URKUND (plagiarism detection tool)** jointly organized by Pondicherry university in collaboration with INFLIBNET Centre, Gandhi Nagar, Gujarat, held on 28<sup>th</sup> October, 2015.
- Participated National Seminar on “**New Techniques and Technology in Industry, Environment and Health Statistics**” organized by Department of Statistics, JBAS College for Women, Chennai held on 23<sup>rd</sup> January, 2015.
- Participated “**National Statistics Day Celebrations 2014**” conducted by National Sample Survey Office (Field Operations Division), Ministry of Statistics and Programme Implementation, Government of India, Sub- Region Office, Puducherry on 29<sup>th</sup> June 2014.
- Participated National Workshop on “**Big Data and Analytics**” organized by Department of Statistics, Sri Venkateswara University, Tirupathi during 27-30 Nov, 2014.
- Participated International Workshop on “**Intelligent Data Analysis Techniques**”, organized by Department of Mathematics, Pondicherry University on 19<sup>th</sup> March 2014.
- Participated National Workshop on “**Simulation Techniques and Resampling Procedures**”, organized by Department of Statistics, Pondicherry University during 11-13, December, 2013.
- Participated National Seminar on “**Recent Advances in Stochastic Modeling and Its Applications**”, Organized by Department of Statistics, Andhra University, Visakhapatnam during 10<sup>th</sup>-11<sup>th</sup>, February 2013.
- Participated National Workshop on “**Geo-Statistics and Spatial Data Analysis**” organized by the Department of Statistics, Pondicherry University during 19<sup>th</sup> -21<sup>st</sup>, December 2012.
- Participated National Conference on “**Fuzzy Soft Computing Mathematical Analysis**” organized by the Department of Mathematics, Pondicherry University during 4<sup>th</sup>-5<sup>th</sup>, October 2012.

- Participated “**National Seminar on Official Statistics in Conjunction with Golden Jubilee Celebrations**” organized by Sri Venkateswara University, Tirupathi, during 10-12, August 2012
- Participated “**National workshop on Advanced Stochastic Models & Its Applications (Bio-Statistics)**”, organized by Sri Venkateswara University, Tirupathi, during 9-12, August 2012.
- Participated “**5<sup>th</sup> National Statistics Day cum Summer Training Program on Optimization & Business Analytics**”, organized by Sri Venkateswara University, Tirupathi, during 29<sup>th</sup> June -3<sup>rd</sup> July, 2011.
- Participated “**National Workshop on Geo-Statistics & Soft Computing Techniques for Spatial Data Management**” organized by Sri Venkateswara University, Tirupathi, during 22-24<sup>th</sup> November 2010.

**Brief Description about my Ph.D. Program:**

The study is intended to understand the processes behind generation/utilization of glucose and secretion/ dispose of insulin regulating mechanism. This study mainly focuses on glucose/insulin levels of Type2-diabetes mellitus with proper diet, external insulin and physical activity. Understanding the physiological mechanism of type2-diabetes by stochastic modeling is the primary objective of this study. Measuring the levels of both glucose/insulin through Markov Point Processes methodology is adopted. Further the study focused on the solving simultaneous differential equations through Runge-Kutta Numerical method and observed consumption patterns of average number of glucose molecules and insulin granules in the blood stream. The aim of this work is to develop the computer programs based on the mathematical model and it will be useful as a user interface of health care industry.

**DECLARATION**

I hereby declare that the above information provided by me is true and correct to the best of my knowledge and belief.

Place: Paonta Sahib, Himachal Pradesh  
Date: 14.10.2022

**(Kiran Kumar Paidipati)**