Prof: Dr. Akanksha Amit Desai Ph.D (Mathematics)

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Email: desaiakankshaa@gmail.com

Designation: Assistant Professor (Mathematics)
Department of Applied Science and Humanities

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Teaching Experience: 15 Years

Area of Interest :-

- Applied & Pure Mathematics, Mathematical Modelling, and Multivariate Normal Distributions

Training Program: -

- Teacher Development Program conducted by "University of Illinois" in the year 2012.
- Upbringing of students for professional fields conducted by "Tata Consultancy Services" in the year 2009.
- Faculty Development Program (5 Day workshop) conducted by SFIT in the year 2014
- International Conference on Innovative and Advanced Technologies in Engineering in collaboration with IJERT
- International Multidisciplinary Conference By K.B. College Of Arts And Commerce For Women
- Conference on Confluence of Emerging Trends in Multidisciplinary Research Areas to Mathematics
- International Conference on conversions to digital world by Atharva College of Engineering

Other Activities:
Publications:
Papers International: 11

- A Bivariate Mathematical Model by Using Gonadotropin Releasing Hormone agonist (GnRHa) for the Prevention of Chemotherapy- Induced Ovarian Failure in Patients IOSR Journal of Mathematics (IOSR-JM), e-ISSN: 2278-5728, p-ISSN: 2319-765X. Volume 12, Issue 4 Ver. II , Jul. - Aug.2016, PP 56-61. Indexing in NASA Library Portal, Index Copernicus
- A Mathematical Survivor Function Model for Predicting the Effects of Cancer Treatment on Ovarian Function International Journal Of Advancement In Engineering Technology, Management and Applied Science (IJAETMAS),ISSN: 2349-3224, Volume 03 - Issue 07, July 2016, PP 96-99 (ISRA)JIF : 0.413 & SJIF : 3.102,Thomson Reuters Researcher ID Indexed Journal, Researcher ID: J-6904-2016
- An Extension of Generalized Exponential Distribution for Determining Ovarian Reserve and Reproductive Age from Measurement of Ovarian Volume Aryabhatta Journal of Mathematics & Informatics, ISSN (Print) : 0975-7139, ISSN (Online) : 2394-9309, Vol. 8, No. 2, July-Dec. 2016, PP 205-210. Impact Factor: 5.856, Thomson Reuters Researcher ID Indexed Journal, Researcher ID: H-4637-2016, Scopus ID: AJMI C73 6081431192E4BF, UGC Approved Journal: Sr No 3853
- A Bivariate Mathematical Model for The Effect of Melatonin Production on Samplings International Journal of Latest Trends in Engineering and Technology, e-ISSN:2278-621X, Vol.(7)Issue(4), PP-.299-304
- Quantum Chemical Computational Methods for Interpreting and Predicting The Vibrational Spectra of Menstrual Cycle in Women, Elixir International Journal, ISSN:2229-712X, Elixir Appl. Math. 103 (2017) PP 45596-45601, Impact Factor: 6.865, Indexed in I2OR , Proquest, USA , Ulrich's Periodicals Directory
- Quantum Chemical Computational Methods are Essential Tools for Predicting the Vibrational Spectra of Progestrone Treatments in Post Menopausal Women, Elixir International Journal, ISSN:2229-712X ,Elixir Appl. Math. 105,(2017) PP 46212-46217, Impact Factor: 6.865, Indexed in I2OR , Proquest, USA , Ulrich's Periodicals Directory
- Quantum Chemical Computational Methods for Comparing and Predicting The Vibrational Spectra of Lower and Upper Bounds in Post Menopausal Women and Pre-Menopausal Women, International Research Journal of Mathematics, Engineering and IT, ISSN:2349-0322, Vol. 4, Issue 6, June 2017, PP 16-32

- Creating a Room of Epsilon for Analyzing Variations of Melatonin, Elixir International Journal, ISSN:2229-712X ,Elixir Appl. Math. 118,(2018) PP 50577-50580 , Impact Factor: 6.865, Indexed in I2OR , Proquest, USA , Ulrich's Periodicals Directory
- Quantum Chemical Computational Methods Are Essential Tools For Predicting the Vibrational Spectra of Progesterone Treatments In Postmenopausal Women, Elixir Appl. Math. 105 46212 (2017), 46212-46217. Impact Factor: 6.865, Indexed in I2OR , Proquest, USA , Ulrich's Periodicals Directory
- Quantum Chemical Computational Methods For Interpreting And Predicting The Vibrational Spectra Of Menstrual Cycle In Women, Elixir Appl. Math. 103 45596 (2017), 45596-45601, Impact Factor: 6.865, Indexed in I2OR , Proquest, USA , Ulrich's Periodicals Directory
- Quantum Chemical Computational Methods for Comparing and Predicting the Vibrational Spectra of Lower and Upper Bounds of Melatonin in Post-Menopausal Women and Pre-Menopausal Women, International Research Journal of Mathematics, Engineering & Information Technology.   (Impact Factor: 5.489), UGC approved, UGC care

  Papers National: 1
- An Extension of Generalized Exponential Distribution for Determining Ovarian Reserve and Reproductive Age from Measurement of Ovarian Volume, Aryabhatta Journal of Mathematics and Informatics, Pg. No. 205-210, Vol. 8,   Issue 2, 2016.(Impact Factor: 4.866)

Technical Skills:
- Programming language C, C++, Microsoft office word, Power point presentations, Word-Excel