

CURRICULUM VITA



- 1) **Name** : Prin. Dr. Avinash S. Jagtap
2) **Educational Qualification** : M. Sc. (Statistics), Ph.D.
3) **Present Designation** : Principal
4) **Date of Birth** : 22/10/1965
5) **Contact No.** : 9822992210
6) **Email ID** : avinash.jagtap65@gmail.com
7) **Date of Appointment** : 01/08/1988
8) **Teaching Experience** : 36 Years
9) **Date of joining in present college:** 01/08/1988

10) Educational Qualification:

Sr. No.	Examination Passed	University/ Board	Year of Passing	Subject(s)	Class/ Grade
1.	B.Sc.	University of Pune	1985	Statistics	First
2.	M.Sc. (Statistics)	University of Pune (Currently SPPU, Pune)	1988	Statistics	B+
3.	Ph.D.	Shri JYT University, Rajasthan	2017	Statistics	N.A.

11) Total Research Publications: 36

a. Ph.D./Research

Sr. No.	Ph. D. Thesis Title	Name of Research Scholar	Year of Award	Name of Guide
1.	Critical Comparison Between Classical Regression Model, neural network model and tree regression model	Shubhangi Madhukar Chaudhari	24/4/2021	Dr. Avinash S. Jagtap
2.	Statistical Analysis of Matrimonial Data to Identify Important Characteristics Features In Match Making	Yeole Deepak Rajaram	23/01/2023	Dr. Avinash S. Jagtap
3.	Critical Comparison Between Descriptive, Diagnostic, Predictive and Prescriptive Statistical Model	Nilambari Arvind Jagtap	13/07/2024	Dr. Avinash S. Jagtap

b. Book:

Sr. No.	Title of Book	Year of publication	ISBN	Name & Place of Publisher
1	Business Mathematics and Statistics	2019	978-0-359-67077-2	Lulu Publishers
2	Data-Driven Decision Making	2019	978-0-359-35462-7	Lulu Publishers
3	“Synergies in Defence Exploring Interplay of Science Technology Arts and Commerce”	2023	978-81-19079-84-1	Bharti Publications, New Delhi
4	BioStatistics	2024		YCMOU Nashik Publication

c. Chapter in Book:

Sr. No.	Title of Book & Name of Editor	Year of publication	ISBN	Name & Place of Publisher
1.	Mathematics & Statistics	June, 2004		Sheth Publishers first edition
2.	Computer Applications & Programming	June, 2004		Sheth Publishers
3.	Mathematics & Statistics	June, 2005		Sheth Publishers second edition
4.	Mathematics & Statistics	June, 2008		Sheth Publishers
5.	Business Mathematics	Oct., 2008	978-81-8483-087-3	Diamond Publishers
6.	Business Mathematics	Nov., 2008	978-81-8483-109-2	Diamond Publishers
7.	Elements of Statistics	Jan., 2009	978-81-8483-101-6	Diamond Publishers
8.	Mathematics & Statistics	June, 2011	978-83-81477-25-0	Sheth Publishers Third edition
9.	Mathematics & Statistics	Aug. 2011	978-93-81477-56-4	Sheth Publishers
10.	Mathematics & Statistics	June. 2014	978-93-84283-01-8	Idol Publication First edition

d. Research Paper:

Sr No.	Title of the Paper	Name of Journal	Month and Year of publication	ISSN/ ISBN No.	UGC. No./Impact Factor/ Citation Details
1.	Systematic Approach Towards Decision Making, Vol. (8), Issue (8), pp 1-5, Impact Factor – 5.7631(UIF)	Review of Research Journal	May 2019	2249-894X	UGC Approved Journal No. : 48514
2.	Estimation of Population Maximum Using Sample Order Statistics and Ranked Set Sampling Vol. (8), Issue(5), pp. 1282-1287, Impact factor - SIJF Impact Factor 2018: 6.946 & ISI Impact Factor 2018-19: 1.536	International Journal of Scientific Research and Review	2019	2279-543X.	UGC Approved Journal No. : 64650
3.	A Comparison Between Traditional and Data-Driven Statistical Predictive Techniques is published Vol.(6), Issue(2), pp. 684-686, Impact factor – 5.87	Journal of Emerging Technologies and Innovative Research (JETIR)	February 2019	2349-5162	UGC Approved Journal No. : 63975
4.	Study of Volatility in the Stock Market vol.06,issue1 pp.53-60, Impact factor – 5.75	International Journal of Reasearch and Analytical Reviews (IJRAR)	January 2019	2348-1269	UGC Approved Journal No. : 43602
5.	Estimation of Population Maximum using sample order statistics vol.06,issue1 pp.29-34, Impact factor – 5.75	of International Journal of Reasearch and Analytical Reviews (IJRAR)	January 2019	2348-1269	UGC Approved Journal No. : 43602
6.	Decision Tree Induction Strategies pp.48-54, Impact factor – 5.818	The Online International Interdisciplinary Research Journal(OIIRJ)	Jan 2019	2249-9598	UGC Approved Journal No. : 46964
7.	Pruning Strategies for Decision Trees Vol.(5), Issue(8), pp. 331-337, , Impact factor – 5.87	Emerging Technologies and Innovative Research (JETIR),	August 2018	2349-5162.	UGC Approved Journal No. : 63975
8.	Decision Rule for Classical Ignorance: A Survey Vol.(7), Issue(4), pp. 1-6/, , Global Impact factor - 0.654	International Journal of Scientific Research in Computer Science Applications and Management Studies (IJSRCSAMS)	July 2018	2319-1953	UGC Approved Journal No. : 63611

9.	Popular Decision Tree Algorithm: A Survey Vol.(7), Issue(3), pp. 1-6, Global Impact factor - 0.654	International Journal of Scientific Research in Computer Science Applications and Management Studies (IJSRCSAMS)	May 2018	2319-1953	UGC Approved Journal No. : 63611
10.	Attribution of Authors Using Data Mining Techniques Vol.(7), Issue(3), pp. 1-5, Global Impact factor - 0.654	International Journal of Scientific Research in Computer Science Applications and Management Studies (IJSRCSAMS)	May 2018	2319-1953	UGC Approved Journal No. : 63611
11.	Construction of Decision Trees Using Decision Rules, volume 9, issue-3, Index Copernicus, ICV - 77.02/100 Index Copernicus, ICV - 7.39/10 e-ISSN : 2278-621X Cosmos Impact Factor - 4.490/10 Global Impact Factor - 0.685/1	International Journal of Latest Trends in Engineering and Technology (IJLTET)	January-2018	2278-621X,	UGC Approved Journal No. : 63199
12.	Authorship Attribution Using Markov Chain, volume 9, issue-3, Index Copernicus, ICV - 77.02/100 Index Copernicus, ICV - 7.39/10 e-ISSN : 2278-621X Cosmos Impact Factor - 4.490/10 Global Impact Factor - 0.685/1	International Journal of Latest Trends in Engineering and Technology (IJLTET)	January-2018	2278-621X,	UGC Approved Journal No. : 63199
13.	Effect of Aluminum on Magnetic Properties of Nanocrystalline Copper Ferrite Special Issue Impact factor - 4.115	International Research Journal of Science and Engineering (IRJSE)	2018	2322-0015	UGC Approved Journal No. : 63628
14.	Statistical Modeling for Job Satisfaction of Maharashtra State Road Transport Corporation Key Members Vol 9. Issue 24.. ISSN:0975-5241(online),Page Nos. 14-19, Impact Factor 4.016 ICV 71.54	International Journal of Current Research and Review	December 2017	2231-2196	UGC Approved Journal No. : 62702
15.	Decision Rule Approach Special Issue, Impact factor - 5.403, pp.238-243	Scholarly Research Journal for Interdisciplinary studies (SRJIS),	2017	2319-4766	UGC Approved Journal No. : 49366
16.	The Role of Emotions in Decision-making”, volume 5, issue-5, Page Nos.2080-2085, Impact Factor-6.391	International Journal of Science and Research (IJSR)	May-2016	2239-7064	
17.	An Overview of Decision Making Models” volume 6, issue-4, Page Nos.13-16. Index Copernicus, ICV -	International Journal of Latest Trends in Engineering and Technology (IJLTET)	March-2016	2278-621X,	UGC Approved Journal No. :

	77.02/100 Index Copernicus, ICV - 7.39/10 e-ISSN : 2278- 621X Cosmos Impact Factor - 4.490/10 Global IF - 0.685/1				63199
18.	Demography of Maharashtra: A Literacy Rate Approach volume 8, special issue-4,. Page Nos.239-250	Centum	2015	2231- 1475,	
19.	Comparison Between Loss Functions In Decision, September, Impact Factor:3.4052(UIF)	Golden Research Thoughts	2015	2231- 5063	
20.	Finite Difference Approximation for Space Fractional soil Moisture Diffusion Equation and its Application Volume 8, Issue 4 (Sept.-), PP 01-08	IOSR journal of Mathematics (IOSR-JM)	Oct. 2013	2278- 5728,	
21.	Some contribution on Method of moving planes, Vol. 2, Issue 7 (), Pp 63-64	International Research Journal	Jan. 2016	2350- 0905	
22.	Assessment of Bio Accumulation Potential of Mangroves Using Statistical Indices, Vol. 49(02), Issue IJMS,	Indian Journal of Geo Marine Sciences	Feb. 2020	0379- 5136	
23.	Mineral Composition of <i>Avicennia</i> & <i>Sonneratia</i> Species form coastal Maharashtra, and It's Interpretation through Box Plot Statistical Tool	BIO INFOLET, A Quarterly Journal of Life Sciences IF-2.221		0973- 1431	
24.	Role of mittag - Leffler Function In Susceptible infectious Recovered, Model, Vol.9, Issue 3	International Journal of Engineering, Science and Mathematics		2320- 0294	
25.	Open Datasets : Need of Hour, Vol-40- Issue-74	Studies in Indian Place Names		2394- 3114	
26.	Challenges and Suggestions in Indian Higher Education System, ISSN No., Volume XII, Issue IV	Journal of Interdisciplinary Cycle Research		0022- 1945	
27.	Shrinkage Methods : An Augmentation in Classical Predictive Modeling, Volume XII, Issue IV.	Journal of Interdisciplinary Cycle Research		0022- 1945	
28.	Descriptive and Diagnostic Statistical Analysis of Stress,	Vidyabharati International Interdisciplinary Research Journal,	Oct. 2021	2319- 4979	UGC Care list II
29.	Marital Problems and their effects on the society: A Statistical Analysis,	Vidyabharati International Interdisciplinary Research Journal,	Oct. 2021	2319- 4979	UGC Care list II
30.	Sampling distribution of sample mean and Sample maximum under simple	Vidyabharati International Interdisciplinary Research Journal,	Oct.2 021	2319- 4979	UGCCa re list II

	random Sampling and stratified sampling : A Comparative study,				
31.	Assessment of the effect of education on expectations from perspective spouse Volume8, Issue12,	Journal of Emerging Technologies and Innovative Research	Dec.2 1	2349-5162	
32.	Support Vector Machine : A Supervised Machine Learning Algorithm Volume 7, Issue 25,	Shodh Sarita Journal of Social Sciences	March 2020	2348-2397	
33.	Diagnostic and Predictive Statistical Analysis of Contributory Risk Factors for Cerebrovascular Accident (CVA)	Juni Khyat Journal		2778-4632	
34	A Prescriptive Statistical Analysis for Transportation System of Sugar Cane Factory Vol. 23, Issue 3,	Bulletin for Technology and History Journal	2023	0391-6715	
35	Descriptive Statistical Model of COVID-19 Pandemic's Effect on Human Eyesight. Vol. 11, Issue 1, PP 105-110,	JJTU Journal of Renewable Energy Exchange	2023	2321-1067	
36	A Prescriptive Statistical Analysis for Transformation System of Sugar Cane Factory, Vol 23, Issue 3,	Bulletin for Technology and History Journal	2023	0391-6715	

a. Research Project:

Sr. No.	Name of Funding Agency	Project Title	Funds Received	Month and Year of sanction	Duration of the Project	Status of Project
1.	BCUD	Bio – Statistical Model of Sugar Industry on groundwater quality in Malegaon	2,00,000	2012	2 Years	Completed
2.	U.G.C.	Awareness of Maternal care among Reproductive women in Baramati	3,40,000	2015	2 Years	Completed

b. Papers presented in Seminar / Conference:

Sr No	Name of the Conference/ Seminar	Title of the paper	Date	Level (State/ National/ International)	Name of the Organizer
1.	Demographic Shift-Road to Sustainable Development,	Socio-economic Progress of Maharashtra	23rd Feb. 2015	National conference	Jashbhai Maganbhai Patel college of Commerce, M. G. Road, Near Azad Maidan Goregaon (W) Mumbai-400090
2.	Role of Women in Agriculture Development Perspectives and Challenges,	Socio economic Study of women in BPL SHG in Ahmednagar Municipal Corporation Area	31/10/2012	National conference	AIMS Baramati
3.	Recent Developments in Mathematics and Statistics,	Study of Temperature variation using Multinational logistic Regression (MLR)	14th to 16th Feb.2013	National conference	T.C.College, Baramati
4.	Contemporary issues in Management and Technology,	Analyzing factors affecting software development – A literature review	08-08-2011 to 09-08-2011	International Conference	Prof.R.More College, Pune
5.	Current Trends in Computer Science and IT,	Challenge and Issue of Software Development Approach using The Economic Model	21-02-2011 to 23-02-2011	National Conference	Dr.D.Y.Patil College, Pune
6.	Recent trends in	Economics of	17-19	National	Dr. Ambedkar

	Commerce, Mathematics & Statistics,	Agriculture Development in Market Yard	Feb., 2010.	Seminar	College of Arts and Commerce, Yerwada, Pune
7.	Recent Development in Graduate Mathematics,	Fast Fourier Transform (FFT) - A useful tool for analysis of Physiological signal	06 to 08 Februar y 2012	National Conference	Marathwada Mathematical Society
8.	Recent Applications of Mathematics and Statistics,	Impact of Plastic Money on Payment Habbits in Baramati	03 Februar y 2018	State Level Seminar	Arts, Sci. and Comm. Mahila College, Malegaon Camp, Nashik
9.	Recent Trends in Commerce, Economics and Management,	Applications of Transportation Techniques in Management	24 January 2012	International Conference	Smt. C. K. Goyal Arts and Commerce College, Dapodi, Pune
10.	Recent Trends in Mathematics,	Effect of Soil and Fertilizers on Coriander Seeds	27 to 29 January 2011	National Workshop	Loknete Vyankatrao Hiray Arts, Commerce & Sci. College Panchavati, Nashik
11.	Inclusion of Soft Skills in Higher Education Curriculum for Better Employability Strategies and Challenges	Statistical Analysis of Noise Pollution in Ganesh Festival		National Workshop	Justice K.S.Hegde Institute of Management, NMAMIT, NITTE
12.	Recent Trends in Physical, Chemical and Biosciences [RTPCB 2016]	Effect of Vermicompost & Cowdung on on the growth of Chilli Plant	16 – 17 Decemb er 2016	National Conference	V.P's Arts, Science and Commerce College, Baramati
13.	Application of free software in Business Statistics, Economics, Commerce and Management	Resource Person		State	B.M.C.C. College, Pune
14.	SET/NET in Statistics	Resource Person	14-19 March 2016	State	T.C.College, Baramati
15.	Syllabus Restructuring of Statistics and	Resource Person	21 May 2019	State	T.C.College, Baramati

	Computer Applications of Commerce Faculty				
16.	Recent Applications of Mathematics and Statistics,	Resource Person	03 February 2018	State Level Seminar	Arts, Sci. and Comm. Mahila Mahavidyalaya, Malegaon Camp, Nashik
17.	Mathematical Modelling, Computational Intelligence Techniques and Renewable Energy (MMCITRE-2021),	Composite Sampling and Use of Composite Sampling to Obtain Sample Maximum.	6-8 Feb.2021	International conference	Pandit Deendayal Petroleum University, Gujrat.
18.	One day state level workshop on Research Methodology	Resource Person (Invited Talk)		State Level	L. V. H. Arts, Science and Commerce College, Panchvati, Nashik

c. Patents published/Register:

Sr. No.	Title of Invention	Date of Filling	Publication Date	National /International
1	Design Wearable Sensors to provide Healthcare Notifications using IoT Based	17/11/2021	17/12/2021	National
2	Room Air Pollution Monitoring System using IoT Based	10/12/2021	14/01/2022	National
3	Device for Testing moisture Content in Soil	3/11/2022	04/01/2023	National
4	A System for relationship-based new K-line clustering Patent No :-202023103509.4	25/06/2023	-	International
5	Artificial Intelligence based Cybersecurity Device for Military Networks	07/09/2023	14/09/2023	International
6	Rapid Pathogen Detection Device	21/08/2024	17/10/2024	National
7	Design of Vibrating Sample Magnetometer Assembly using Electromagnet, Hall Sensor and Loud Speaker	07/10/2024	13/10/2024	International
8	A System and Method for Clustering Data based on Linear Patterns	19/02/2024	30/01/2025	National

12) Professional recognition / award/ fellowship etc.

Sr. No.	Name of Award/ Recognition	Awarding Agency	Year
1.	Awarded as Best Student Development Officer	Savitribai Phule Pune University, Pune	2016-17
2.	Awarded as Best Youth Welfare Coordinator	Pearl Foundation Educational Excellence Awards to Higher Education in India	2017
3.	Bharat Ratna Dr. B. R. Ambedkar National Excellence Award 2023	Bhartiy Karmachari Mazdoor Union Central Commiittee, New Delhi	2023
4.	Star Best Principal Award	Star Education, Mumbai	2023

13) Work Experience on Academic Bodies and other:

Sr. No.	Designation/ Position	Duration	Name of Institute / University	Details
1.	Member of BoS in Statistics and Computer Applications	1/9/2005 (5 years)		
2.	Faculty member of Commerce	1/9/2005 (5 years)	University of Pune	
3.	Member of BoS in Statistics	2018 to 2023	Vivekanand College (Autonomous), Kolhapur	
4.	Member of BoS in Statistics, Computer Applications and Management Studies	25/7/2018 to 24/7/2022	SPPU, Pune	Nominated by Vice-Chancellor as Member of BoS
5.	Chairman BoS in Statistics	2019-2022	Tuljaram Chaturchand College Baramati (Autonomous)	
6.	Chairman BoS in Statistics	2022-2023	Tuljaram Chaturchand College Baramati (Autonomous)	
7.	Chairman of Academic Council		Tuljaram Chaturchand College Baramati(Autonomous)	
8.	Member Secretary of Governing Body		Tuljaram Chaturchand College Baramati(Autonomous)	

14) Life Membership of Profession Bodies:

Sr. No.	Name of Professional Body
1.	Life membership of Indian Society for Probability and Statistics (ISPS)

15) Any other Attainment:

Principal at Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
From 1st, May 2023 to till the date.