

Dr. Basavaraj M Ittanagi

Affiliation (Assistant Professor, Dept of Mathematics, SIT)

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Education

	Degree	Year	Institute	Specialization
1	B.Sc.	1999	KRCE'S College, Bailhongal	PCM
2	M.Sc.	2021	Karnatak University, Dharwad	Mathematics
3	Ph.D.	2007	Karnatak University, Dharwad	Topology

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	Date (from-to)	Designation	Organization
1	20 th March, 2007 to 13 th August,	Assistant Professor	STJIT, Ranebennur
2	13 th August, 2008 to till today	Assistant Professor	SIT, Tumakuru

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Summer Research Fellowship for Teachers – 2015 awarded from Indian Academy of Sciences to work for two months at Tezpur University, Tezpur, Assam State.

Courses Taught

Undergraduate Courses

- i. Engineering Mathematics-I
- ii. Engineering Mathematics-II
- iii. Engineering Mathematics-III
- iv. Engineering Mathematics-IV
- v. Computational Methods in Electrical Sciences
- vi. Graph Theory and Combinatorics
- vii. Statistics and Probability Theory
- viii. Mathematical Concepts of Information Technology
- ix. Linear Algebra
- x. Fuzzy Logic and Engineering Applications.

Postgraduate Courses

- i. Advanced Mathematics (M. Tech)

Research Guidance

Sl. no	Name of the Scholar	Title	Year of completion
1	RAGHAVENDRA K (USN: 1SI13PGN01),	A STUDY ON R^* CLOSED SETS IN TOPOLOGICAL SPACES	2019
2	GOVARDHANA REDDY H G (USN: 1SI13PGN02),	A STUDY ON GENERALIZATION OF GENERALIZED CLOSED SETS IN TOPOLOGICAL SPACES	2019
3	VEERESHA A SAJJANAR (USN: SI13PGN03),	A STUDY ON WEAKLY SEMI CLOSED SETS IN TOPOLOGICAL SPACES	2019
4	MOHAN V. (USN: 1SI13PGN04),	STUDY ON SEMI ALPHA REGULAR WEAKLY CLOSED SETS IN TOPOLOGICAL SPACES	2019

Research Areas

- i. General Topology and Bitopology
- ii. Fuzzy Topology and Fuzzy Bitopology
- iii. Soft Sets and Soft Topology
- iv. Rough Sets and Milli Topology

Sponsored Projects

Publications

Journals

- i. Benchalli, S.S., Ittanagi, B.M., Patil, P.G. Dimension theory and fuzzy topological spaces, International Journal of Mathematics and Mathematical Sciences, Volume 2006, (2006), Article ID 92870, 1-8.
- ii. Basavaraj M Ittanagi and Shivanagappa S Benchalli, On Paraopen Sets and Maps in Topological Spaces, Kyungpook Mathematical Journal, Vol. 56, 2016, 301-310.
- iii. H G Govardhana Reddy¹ and B M Ittanagi, A study on new type of continuous maps in bitopological spaces, Journal of Physics: Conference Series, 2020, 1706(1), 012041.
- iv. Ittanagi, B.M., Thivagar, M.L., John, S.J., Jafari, S., Chetana, C., NEW SORT OF NEIGHBOURHOOD AND DERIVED SETS IN MILLI TOPOLOGICAL SPACES, South East Asian Journal of Mathematics and Mathematical Sciences, 2023, 19(3), pp. 181–200.
- v. Reddy, G., Ittanagi, B.M., Sajjanara, V.A., Krishnappa, R., Generalizations of Locally Continuous Maps in Topological Spaces, AIP Conference Proceedings, 2023, 2764(1), 030010.
- vi. Basavaraj M. Ittanagi, Prakash R, New Form Of Continuous Functions In Topological Spaces, Educational Administration: Theory and Practice, Vol. 29 No. 1 (2023), Year 2023, pp. 440 – 446.
- vii. Ittanagi, B.M., Thivagar, M.L., John, S.J., Jafari, S., Chetana, C. ON MILLI CONTINUOUS FUNCTION AND ITS APPLICATIONS, South East Asian Journal of Mathematics and Mathematical Sciences, 2024, 20(2), pp. 381–400.
- viii. Chitra, G., Clement Joe Anand, M., Ittanagi, B.M., Ranjitha, B., Cangul, I.N., PRIME AND CO-PRIME EDGE ANTI-MAGIC VERTEX LABELING OF FAMILIES OF UNICYCLIC GRAPHS IN SENSOR NETWORK, Turkish World Mathematical Society Journal of Applied and Engineering Mathematics, 2025, 15(1), pp. 17–26.

- ix. Basavaraj M Ittanagi, Prakash R, Chetana C, NEW FORM OF SOFT SETS AND ITS PROPERTIES, Communications on Applied Nonlinear Analysis, Vol. 32 No. 1s (2025), Year 2025.

Editorial

- i) Journal of Emerging Technologies and Innovative Research (JETIR).
Member ID: 113501, ISSN: 2349-5162, Impact Factor: 5.87.
<https://www.jetir.org/> or <https://www.jetir.org/reviewer-board>

Reviewer of Journals

- i) South East Asian Journal of Mathematics and Mathematical Sciences
- ii) Journal of Ramanujan Society of Mathematics and Mathematical Sciences
- iii) Journal of The Indonesian Mathematical Society
- iv) Journal Ratio Mathematica
- v) Sohag Journal of Mathematics
- vi) Asian Journal of Probability and Statistics
- vii) Asian Journal of Pure and Applied Mathematics

Patents

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Invited Lectures, talks and workshops

- i. Delivered an invited talk on Two Days Workshop on LaTeX for Documentation Under TEQIP – II, Department of Information Science and Engineering, Siddaganga Institute of Technology, Tunkur-03, from 20th – 21th, August 2013.
- ii. Delivered a Guest Lecture on the following topic “Z-Transform application in signal processing-I”, on 19.07.2023 FN, organised by Faculty Development Training Centre, Government College of Technology, Coimbatore, Tamil-Nadu State-641013.
- iii. Delivered an invited talk (offline) on “Nano and Milli Topological Spaces, from 2nd to 4th August, 2024, International Conference on Mathematical Analysis & its Applications, Organized by Department of Mathematics, Karnatak University, Dharwad-580003.
- iv. Delivered an invited talk (online) on “Rough Set Theory on Milli Topological Spaces”, from 28th to 30th June, 2025, International Conference on Mathematical

Analysis & its Applications, Organized by Department of Mathematics, Karnatak University, Dharwad-580003.