



**Name:** Kusuma.Tummala

**Designation:** Assistant Professor; Mathematics

**Department:** Humanities & Sciences

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**Experience (in years): Teaching: 10 Research: 0 others (If any, Specify):**

**1. Educational / Technical qualifications:**

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	M.Sc.	2008	Mathematics
2	B.Sc.	2006	M.P.Cs

**2. Teaching and Learning:**

**2.1. Teaching Interests:**

- Numerical methods
- Operation Research
- Laplace Transforms
- Fourier Transforms
- Trigonometry
- Differential Equations
- Linear Algebra

**2.2. Novel Teaching & Learning Techniques adopted:**

- POGIL
- Learning by doing
- Video presentation
- WIT & WIL
- Think, pair & Share
- Mind maps
- Concept maps

**2.3. Involvement in curriculum updating / Design: No**

**3. Co-curricular and Extra-Curricular Activities**

**3.1. Interests and Hobbies:**

- Reading books
- Listening Music

**3.2. CCA/ECA Organized: NIL**

**3.3. CCA/ECA participated: NIL**

**3.4. Counseling and Mentoring Activity: NIL**

**3.5. Committees involved in:**

- Department level: NIL
- Institute Level:

**4. Conference / Workshop / Seminar / Guest Lectures:**

- 4.1. Conducted: Workshop on Mathematics for Machine Learning from 13<sup>th</sup> March to 13<sup>th</sup> April 2022

#### 4.2. Attended:

1. One research paper has been presented “On Some Coupled Fixed Point Theorems for Mixed Monotone Mappings in P – Metric Spaces” in International Conference on RECENT ADVANCES IN NONLINEAR FUNCTIONAL ANALYSIS AND ITS APPLICATIONS-2022 (ICRANFAA-2022) held on 29th and 30th January, 2022.
2. One research paper has been presented and communicated “Common fixed points of generalized  $(\alpha, \eta)$  – Geraghty rational type contraction in b-metric spaces” in American Institute of Physics (AIP) through conference “Contemporary Innovations in Mechanical Engineering” (CIME-2022) held on 22nd -23rd April, 2022

#### 5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: NIL

5.2. Articles/Chapters published in Books: NIL

5.3. Books published as single author or as editor: NIL

5.4. Projects Guided:

a) UG: Nil

b) PG: Nil

5.5. Research Interests:

- Fixed Point Theory

5.6. Ph.D students: Nil

a) Enrolled:

b) Submitted:

c) Awarded:

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1.	Some Fixed Point Theorems with Applications by Using a Concept of Altering Distances	TEST Engineering & Management	ISSN: 0193-4120 Page No. 8501 – 8512	0.3	International
2	On Some Coupled Fixed Point Theorems for Mixed Monotone Mappings in P – Metric Spaces	Computer Integrated Manufacturing System	ISSN: 0193-4120 Page No. 8501 – 8512	1.7	International
3	Generalized Common Fixed Point Theorems Of Compatible	Turkish Journal of Computer and Mathematics Education	ISSN: 0193-4120 Page No. 8501 – 8512	0.3	International

	Maps In Complex Valued Metric Spaces				
4.	Generalized Fixed Point Theorems of Ciric Type in Fuzzy Metric Spaces	SPECIALUSIS UGDYMAS / SPECIAL EDUCATION 2022 1 (43)	ISSN 139 2-5369 Page No. 1277-1287	1.4	International

5.8. Papers presented at National / International Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1.	<i>ON SOME COUPLED FIXED POINT THEOREMS FOR MIXED MONOTONE MAPPINGS IN P – METRIC SPACES</i>	<ul style="list-style-type: none"> <li>International Conference On RECENT ADVANCES IN NONLINEAR FUNCTIONAL ANALYSIS AND ITS APPLICATIONS-2022 (ICRANFAA-2022)</li> </ul>	International	<ul style="list-style-type: none"> <li>29th And 30th January, 2022</li> </ul>
2.	Common Fixed Points of Generalized $(\alpha, \eta)$ - Geraghty Rational Type Contraction in b- Metric Spaces	<ul style="list-style-type: none"> <li>Contemporary Innovation in Engineering and Management In Data Sciences, IoT and Computational Techniques</li> </ul>	International	<ul style="list-style-type: none"> <li>22nd And 23rd April, 2022</li> </ul>

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. Awards :BEST WIT &WIL Award for Calculus for Engineers

Best Scenario Using real world examples to elucidate the course contents of Calculus for Engineering Domain for the learners of Ist year B.Tech Ist Semester as a practical implementation of WIT & WIL.

7. Motto: