

**Dr. J PRADEEPKUMAR**  
**Assistant Professor**  
**Department of Mathematics**  
**Bapuji Institute of Engineering and Technology,**  
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### **RESEARCH INTEREST :**

Graph Theory, Numerical Methods, Differential Equations,

### **TEACHING EXPERIENCE** : Having 11 years 3 months of teaching experience

- Worked as Assistant Professor since 01-10-2010 to 20-10-2021 SKSVMACET Agadi Engineering college Laxmeshwar.
- Working as Assistant Professor since 21-10-2021 till date in BIET DVG

### **EDUCATION**

- M.Sc (Mathematics) from Karnataka University, Dharwad, 2010 with first class.
- B.Sc (Mathematics, Chemistry & Physics) from Karnataka University, Dharwad, B.V.V.S Science College, Bagalkot, 2008 with First class.
- Awarded Ph.d from Karnataka University, Dharwad in 2019.

### **PROFESSIONAL MEMBERSHIP**

- Nil

## **PUBLICATIONS :**

1. S.S.Benchalli, P.G.Patil, Abeda S. Dodamani and J. Pradeepkumar, On Binary Soft Separation Axioms in Binary Soft Topological Spaces, Global Journal of Pure and Applied Mathematics. ISSN 0973-1768 Volume 13, Number 9 (2017), pp. 5393-5412
2. S.S.Benchalli, P.G.Patil, Nivedita S. Kabbur and J.Pradeepkumar, Weaker Forms of Soft Nano Open Sets, Journal of Computer and Mathematical Sciences ,Vol.8(11), 589-599 November 2017, ISSN 0976-5727 (Print) ISSN 2319-8133 (Online)
3. P.G. Patil, S.S.Benchalli, T.D. Rayanagoudar and J. Pradeepkumar, Some Stronger Forms of  $g^*$ Pre Continuous Functions in Topology, Gen. Math. Notes, Vol. 30, No. 1, September 2015, pp.1-11 ISSN 2219-7184
4. P. G. Patil, S. S. Benchalli, Pallavi S. Mirajakar and J.Pradeepkumar, Generalization of Paracompactness in Bitopology (Communicated).
5. S. S. Benchalli, P.G.Patil, Nivedita S.Kabbur and J.Pradeepkumar, On soft nano continuity in soft nano topological spaces and its applications Annals of Fuzzy Mathematics and Informatics. ISSN2093-9310(Print) ISSN 2287 6235(Online), Vol 15, No 3, (June 2018) pp 265-283.
6. S. S. Benchalli, P.G.Patil, Nivedita S.Kabbur and J.Pradeepkumar, On Soft Nano Topological Spaces (Communicated).
7. S. S. Benchalli, P.G.Patil, N.S.Kabbur and J.Pradeepkumar, On  $\delta$ -operation in soft nano topological spaces (Communicated).

## **SHORT TERM COURSES/WORSHOPS**

### **Attended:**

#### **Presented Research Paper in National & International Conferences**

1. UGC Sponsored *National seminar on analysis and applications* (NSAA-2013) from 22<sup>nd</sup> -23<sup>rd</sup> March 2013 at Department of mathematics Karnataka University Dharwad.
2. *National Conference on Emerging Trends in Mathematics* on 25<sup>th</sup> April 2014 at Government Science Collage, Bangalore.
3. National Conference on “*Advances in Geometry, Analysis and Fluid Mechanics*” on 26<sup>th</sup> & 27<sup>th</sup> Aug 2014 at Department of Mathematics Kuvempu University, Shimoga.

4. State Level Seminar on “*Vedic Mathematics*” on 6<sup>th</sup> Sep 2014 at K.L.E Society’s JT Collage Gadag.
5. *ISTE e-seminar on Steps to research* on 19<sup>th</sup>-20<sup>th</sup> Sept 2014 at Departement of Computer Science, Amal Jyothi College of Engineering Kanjirapally, Kerala.
6. National Conference on “*Recent Developments in Mathematics and their applications*” on 17<sup>th</sup> & 18<sup>th</sup> Oct 2014 at Tumkur University College of Science.
7. National Conference on “*Applied Mathematics: Numerical Analysis, Algebra and Computational Mathematics*” on 30<sup>th</sup> & 31<sup>st</sup> Jan 2015 at Department Mathematics K.L.E Society Gudleppa Hallikeri Collage, Haveri.

### **RESPONSIBILITIES**

1. Coordinator ISO for General Science Department
2. Member Stage Committee for Fresher’s Day
3. Member Stage Committee for Melanze
4. Member of Discipline Committee
5. Co-ordinator of NBA for general Science Department
6. ERP Sub-coordinator
7. Research cell co-ordinator for science department

## **SUBJECTS TAUGHT**

Engineering Mathematics I , Engineering Mathematics II , Engineering Mathematics III ,  
Engineering Mathematics IV, Advanced Mathematics I , Advanced Mathematics II,  
Calculus and Linear algebra, Advanced Calculus and Numerical Methods.

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