RESUME

Name	**:**	**Dr. SOMASHEKHAR C. DESAI**
		M: 98802 62595
		Email: desaisc07@gmail.com

Designation	**:**	**Professor in Mathematics**
		Head Dept of Mathematics

Address for Correspondence:	**:**	Dr. S. C. DESAI # 81, Premachandra Sadan, Sanskruti Colony, Ashram Road Bijapur – 586 103

Permanent Address :	Dr. S. C. DESAI At/Po: Takkalaki, Tq: Basavan Bagewadi Dist: Bijapur, Pin : 586216

Date of birth	**:**	01 - 08 - 1967

EDUCATIONAL QUALIFICATIONS : M. Sc., M. Phil., Ph.D ,PGDCA, M.Tech(IT)

Academic Experience

Lecturer	15th July 1992	10th April 2001
Assistant Professor	11th April 2001	31st July 2006
Professor	1st August 2006	Till Date
Assistant Professor and Head	18th August 2002	17th August 2005
Professor and Head	3rd January 2008	4th August 2011
Professor	5th August 2011	30th September 2020
Professor and Head	1st October 2020	Till Date

Research Guide

Sl. No	Degree	Name of Candidate	Title of Theses	University	Position	Year of Award
01	M.Sc Engg. By Research	Raghavendra R.J	Mathematical Modeling …	VTU Belagaum	Awarded	2008
02	Ph.D	Jagadeesh K. S Reg.No: JJT/18710065	Network Security – RFID Based Multiparty Systems	SJPJT University, Jhunjhunu, Rajasthan	Awarded	2014
03	Ph.D	H. Chandramouli Reg.No: JJT/4410204	Elephant Swarm Optimization in Wireless Sensor Network to Enhance Network Lifetime	SJPJT University, Jhunjhunu, Rajasthan	Awarded	2014
04	Ph.D	Rajesh S.L Reg.No: JJT/161011105	Energy Efficient Wireless Sensor Networks Using Swarm Intelligence	SJPJT University, Jhunjhunu, Rajasthan	Awarded	2016
05	Ph.D	**KUSHA CHAVAN** (USN: **2B L19PMA02**)	Advanced topics and its properties in topological spaces	VTU Belagavi (6th July 2019)	Working	-
06	Ph.D	**MALLIKARJUN M MATHAPATI** (USN: **2 BL19PMA01**)	Studies on recent developments of some topics and its characterizations in different topological spaces	VTU Belagavi (6th July 2019)	Working	-

Employment Particulars

Employer	Post Held	Date of Joining	Date of Leaving	Gross Salary/yr	Pay Scale
VP Dr PGH College of Engg. and Technology, Bijapur	Professor And Head	1st October 2020	Till Date	115010.00	37400-67000 + AGP 10000
VP Dr PGH College of Engg. and Technology, Bijapur	Professor	5th August 2011	30th September 2020	790310.00	37400-67000 + AGP 10000
Nitte Neenakshi Institute of Technology , Bangalore	Professor and Head	3rd January 2008	31st August 2011	55000	16400-25500
East Point College of Engineering and Technology, Bangalore.	Professor	1st Augest 2006	2nd January 2008	51525	16400-25500
JNN College of Engg., Shimoga	Lecturer, Assistant Professor and Head	9th November 1998	31st July 2006	8500 17500	2200-4000 12000-18000
JSS College, Dharwar	Lecturer	15th July 1992	8th November 1998	5000	5000

JOB RESPONSIBILITIES HELD

01	HOD of CSE , ISE and MCA Department, NMIT, Bangalore
02	BOE Member of VTU for CSE&ISE Composite Board for academic year 2010-11 and 2012-13
03	External Examiner for M.Tech and Ph.D report evaluation of VTU and Other University
04	Chairman of BOS and BOE of CSE and ISE, NMIT Autonomous Institution.
05	Member of Academic Council, NMIT Autonomous Institution.
06	HOD for MCA, JNNCE, Shimoga
07	Co-ordinator for KSOU Study center, Shimoga
08	Project and Technical Seminar Co-ordinator , EPCET, Bangalore
09	Financial Co-ordinator for Dept. Association. JNNCE, Shimoga
10	Financial Co-ordinator for ICHMI-2004,(International Conference On Human Machine Interfaces –2004 held in December 2004 at I I Sc , Bangalore)
11	BOE Member of VTU for MCA, 2003-04
12	BOE Member of Karnataka University for Computer Science

| 13 | BOE Member of Gulbarga University for Computer Science |
| 14 | BOE Member of Kuvempu University for Computer Science |

PUBLICATION DETAILS - 15

International Journals - 14

1. "Electroosmotic Peristaltic Pumping of Jeffrey Liquid with Variable Characteristics: An Application", International Journal of Applications of Computational Mathematics, **(2022)8:151 (https://doi.org/10.1007/s40819-022-01284-7, 31st May 2022.**

2. "On New Count ability and Separation axioms in Fuzzy Topological Spaces",

   Journal of International Academy of Physical Sciences, Vol. 25 No. 3 (**2021**), pp. 353-358, ISSN 0974 – 9373

3. "LOCAL FINITENESS AND ITS PROPERTIES IN FUZZY TOPOLOGICAL SPACES", Advances and Applications in Mathematical Sciences, Volume 20, Issue 8, June **2021**, Pages 1349-1355 © 2021, Mili Publications.

4. " Natural Inspired Energy Efficient Wireless Sensor Networks: Using Duty-Cycled Wake-up Scheduling Swarm Intelligence ", International Journal of Computer trends and Techonology, **vol 10, No 5, April2014**

5. Elephant Swarn Optimization for Wireless Sensor Networks – A Cross Layer Mechanism, International Journal of Computer Engineering and Technology (**IJCST**) ISSN 2229-4333, **Volume 4/Issue 2, March-April, 2013, pp 45-60.**

6. Enhancing Network Lifetime In Wireless Sensor Networks Adopting Elephant Swarn Optimization, Global Journal of Computer Science and Technology, Network, Web and security, **Volume 13 Issue 4, Version 1.0 Year 2013.**

7. Natural Inspired Energy Efficient Wireless Sensor Network: Using Duty-Cycled Wake-up Scheduling Swarm Intelligence, International Journal of Computer Trends and Technology,(IJCTT) volume X, **Issue 2013**.

8. Network Lifespan Maximization For Wireless Sensor Networks Using Nature-Inspired Elephant Based Optimization, IOSR Iournal of Computer Engineering(IOSR-JCE) e-ISSN:2278-0661, p-ISSN: 2278-8727, Volume 13, Issue 4, **July-Aug 2013**) PP 11-19

9. The Cryptographic security Solution and Distribution reporting Approach for Wireless Sensor Networks: A Brief Survey, International Journal of Engineering Research & Technology(IJERT) ISSN: 2278-0181, Vol. 2, Issue 8, **August-2013**

10. EBSO: Network Lifespan Enhancement Using Elephant Based Swarm Optimization In Wireless Sensor Network, " International Journal of Computer Engineering and Technology (**IJCST**) ISSN 2229-4333, **Volume 4/Issue 3, July-Sept, 2013.**

11. "Towards creating a RFID Authentication Enabled Secure Group Communication Plane", International Journal of Computer Science and Technology (**IJCST**) ISSN 2229-4333, **Volume 3 /Issue 4, Oct-Dec, 2012**(Impact factor:2.8)

12. "RASCP: Providing for a Secure Group Communication Plane using RFID", Global Journal of Computer Science and Technology (**GJCST**) ISSN 0975-4350, **Volume XII / Issue XVI, version 1, Dec, 2012**/67-74(Impact factor:3.9)

13. "RFID-Dynamic Surveillance Approach", International Journal of Computer Engineering and Information Technology (**IJCEIT**) ISSN 0974-2034, **Volume 27/Issue 1, August-October, 2011/PP[37-42]** (Impact factor:1.0)

14. "Design and Development of a Context-Aware Notification System using RFID based Technology" International Journal of Computer Engineering and Computer Applications (**IJCECA**) ISSN 0974-4983, **Volume 09/Issue 1, Oct-Dec, 2011/PP[35-43]**(Impact factor:1.0)

National Journals -01

1. " Collision Detection Using Improved ray Tracing" Journal of Computer Science, Vol. 2, No 4, 2007.338-346

Conference Publications - 07

International -03

1. S. S. Benchalli and S. C. Desai, 'Weaker Forms of Paracompactness in Fuzzy Topological Spaces', Proceedings of International Conference On Geometry, Analysis, Fluid Mechanics and its Applications, held at Dept. of Mathematics, Kuvempu University, Shankargatta, Shimoga, Karnataka, India, 15th to 17th January 2001.

2. S. C. Desai and Sanjeev Kunte, Neural Based Recognition of Machine Printed Kannada Text Using Wavelets, Proceedings of International conference on Signal Processing and Applications, WOSPA 2002, 17-18 Dec.2002 , **Stanford Plaza – Brisbane, Australia .**

3. Performance Evaluation of AODA and AOMDV routing Protocols in Wireless Mesh Network, International Conference on Information and Communication Engineering(ICICE-2013), held at Banglore on 25th August, 2013.

National - 04

1. S.C. Desai and Raghavendra R. J, Fast Collision Techniques for Virtual Reality Applications, National Conference on ETPEE-06, SJCE, Mysore, September 2006

2. S. C. Desai et all., Collision detection technique for virtual reality applications, proceedings of International Conference on Software Agents , 5th and 6th Sep'2003, BIET , Davengere.

3. S. S. Benchalli and S. C. Desai, 'Connectedness and Local Connectedness in Fuzzy Topological spaces', Proceedings of "National Seminar on Recent Developments in Mathematics " Department of Mathematics Karnataka University, Dharwad, 16 – 18, December1993.

4. S. S. Benchalli and S. C. Desai, 'Perfect Maps and Paracompactness in Fuzzy Topological Spaces', Proceedings of "National Seminar on Recent Developments in Mathematics " Department of Mathematics, Karnataka University, Dharwad, 16 - 18 December1993.

Seminars/ Workshops Organized

As Convener:

1. National Seminar on ' Practical Applications of Image Fusion, Motion Segmentation and Medical Image Processing", Organized by the Department of Information Science and Engineering, Nitte meenakshi Instute of technology,Yelahanka, Bangalore – 560064, 5th to 7th February 2009.

2. Workshop on "Advances in Information Science and Engineering", Organized by the Department of Information Science and Engineering, Nitte Meenakshi Institute of Technology,Yelahanka,Bangalore – 560064, 19th to 21st March 2009.

Seminars/ Conferences Attended

1. National Seminar on 'Recent Developments in Mathematics', Held at Department of Mathematics, Karnataka University, Dharwad, 16 - 18 December1993.

2. National level conference on 'The Recent Trends in Topology', Held at Department of Mathematics, N. G. M. college, POLLACHI, TAMILNADU, 1 - 2 March 1997.

3. National symposium on 'Analysis and its applications ',Held at Department of Mathematics, Karnataka University, Dharwad, 8 -10 June 1998.

4. National Seminar on 'Fuzzy Mathematics and Applications', Held at Dept. of Mathematics, Union Christian college, Aluva, Kerala. 28 to 30 March 1999.

5. International Conference on 'Mathematics', Held at Dept.of Mathematics and Astronomy, University of Lucknow, 31th-1999 to 03-01-2000.

6. International Conference On 'Geometry, Analysis, Fluid mechanics and its Applications', Dept. of Mathematics, Kuvempu University, Shankargatta, Shimoga, Karnataka, India, 15th to 17th January 2000.

7. International Conference On ' Human Machine Interfaces(ICHMI-2004)', Held at IISc, Bangalore, 20th to 23rd December 2004

8. National Conference on 'Vision, Graphics and Image Processing",Organized by department of Computer science and engg., JNNCE at Shimoga, 2nd and 3rd March 2005

9. National Conference on 'Analysis and Applications with special emphasis on Algebra and Topology', Held at Dept. of Mathematics, Karnataka University, Dharwad, 2-4 February 2007.

10. National Seminar on 'Fast Computational Analysis and Its Applications in Computer Science and Engineering', Held at dept. of Computer Science & Engg., Nagarjuna College of Engineering & Technology, Bangalore, 8th March 2008.

11. National Seminar on ' Practical Applications of Image Fusion, Motion Segmentation and Medical Image Processing", Organized by the Department of Information Science and Engineering, Nitte meenakshi Instute of technology,Yelahanka,

Bangalore – 560064, 5th to 7th February 2009.

12. Workshop on "Research Conference Forum " Organized by the Department of Computer   Science and   Engineering, Nitte   meenakshi Instute of technology, Yelahanka, Bangalore –   560064, 6th to 8th March 2009.

13. Workshop on "Advances in Information Science and Engineering", Organized by the Department of Information Science and Engineering, Nitte Meenakshi Instute of technology,Yelahanka, Bangalore – 560064, 19th to 21st March 2009.

14. Workshop on "Applications of Mathematics In Science And Engineering",Organized by Department of mathematics, Karnatak College, Dharwad on 22nd September 2012.

To

    The registrar (Academic)
    Karnataka State Women's University
    Vijaypura.

From

    Dr. Somashekhar C. desai
    Professor, Department of Mathematics
    VP Dr PGH College of Engineering and Technology
    Vijaypura

Respected Sir,

Subject : Requisition for Ph.d guide ship in Mathematics reg…..

I am working as Professor in Mathematics at VP Dr PGH College of Engineering and Technology. Vijayapura. From last three years working as visiting Professor in Mathematics at your esteemed organization (Karnataka State Women's University). Two students are awarded Ph.d under my guidance and one is working.

First batch M.Sc Mathematics students of your University are interested to do Ph.d. So if you give me the guide ship the local M.Sc passed out students can work for Ph.D degree.

Kindly I request you to consider my request and oblige.

Dr. Somashekhar C. Desai

To

    The registrar (Evaluation)
    Karnataka State Women's University
    Vijaypura.

From

    Dr. Somashekhar C. desai
    Professor, Department of Mathematics
    VP Dr PGH College of Engineering and Technology
    Vijaypura

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Kindly I request you to consider my request and oblige.

Dr. Somashekhar C. Desai