RESUME

Name	**:**	**Dr. SOMASHEKHAR C. DESAI**
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Designation	**:**	**Professor, Dept. of Mathematics**
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		# 81, Premachandra Sadan
		Sunskriti Colony, Near Siddarood Math
		Ashram Road, Vijayapur – 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)

Employment Particulars:

Employer	Post Held	Date of Joining	Date of Leaving	Gross Salary	Pay Scale
VP Dr PGH College of Engg. and Technology, Bijapur	Professor	1st September 2011	Till Date	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

Research Work Completed

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	June 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

Current Research Work

Two students registered under VTU, Kusha M. Chavan and Mallikarjun Mathapathi

JOB RESPONSIBILITIES HELD

	Presently working as :
01	Coordinator - College VTU examination
02	Co-convenor – Institute Induction Program Cell(IIPC)
03	Coordinator - Department NBA
04	Coordinator - NIRF
05	Coordinator - CPH and CIP internal exam for lateral entry students
	Member Library committee
06	**Previously worked as**
	HOD of MCA Department, NMIT, Bangalore
07	BOE Member of VTU for CSE&ISE Composite Board for academic year 2010-11
08	External Examiner for M.Tech Theses evaluation of VTU and Other University
	Worked As,
09	HOD of CSE , ISE Departments, NMIT, Bangalore
10	Chairman of BOS and BOE of CSE and ISE, NMIT Autonomous Institution.
11	Member of Academic Council, NMIT Autonomous Institution.
12	HOD for MCA, JNNCE, Shimoga
13	Co-ordinator for KSOU Study center, Shimoga
14	Project and Technical Seminar Co-ordinator , EPCET, Bangalore
15	Financial Co-ordinator for Dept. Association. JNNCE, Shimoga
16	Financial Co-ordinator for ICHMI-2004,(International Conference On Human Machine Interfaces –2004 held in December 2004 at I I Sc , Bangalore)
17	BOE Member of VTU for MCA, 2003-04
18	BOE Member of Karnataka University for Computer Science
19	BOE Member of Gulbarga University for Computer Science
20	BOE Member of Kuvempu University for Computer Science

PUBLICATION DETAILS

Name of the faculty	Title of paper	Type
Dr. S C. Desai	RASCP: Providing for a Secure GroupCommunication Plane using RFID, Global Journal of Compute Science and Technology (GJCST) ISSN 0975-4350, Volume XII / Issue XVI, version 1, Dec, 2012/67-74	**International**
Dr. S C. Desai	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	**International**
Dr. S C. Desai	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](	**International**
Dr. S C. Desai	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]	**International**
Dr. S C. Desai	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.	**International**
Dr. S C. Desai	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.	**International**
Dr. S C. Desai	Network Lifespan Maximization For Wireless Sensor Networks Using Nature-Inspired Elephant Based Optimization, IOSR Journal of Computer Engineering(IOSR-JCE) e-ISSN:2278-0661, p-ISSN: 2278-8727, Volume 13, Issue 4, July-Aug 2013) PP 11-19	**International**
Dr. S C. Desai	The Cryptographic security Solution and Distribution reporting Approach for Wireless Sensor Networks: A Brief Survey, International Journal of Engineering	**International**

	Research & Technology(IJERT) ISSN: 2278-0181, Vol. 2, Issue 8, August-2013	
Dr. S C. Desai	Elephant Swarrn 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.	**International**
Dr. S C. Desai	Nature Inspired Energy Efficient Wireless Sensor Networks Using Duty-Cycled Wake-up Scheduling Swarrn Intelligence, International Journal of Computer and Technology (IJCTT) ISSN: 2231-2803, Vol:10, issue 5 – 2014.	**International**
Dr. S C. Desai	Nature Inspired Energy Efficient Wireless Sensor Networks Using Dynamic Sleep Active Algorithm, International Journal for Research in Applied Science and Engineering Technology (IJRASET) ISSN 2321-9653, Volume 2/Issue XII, December 2014.	**International**
Dr. S C. Desai	Performance Evaluation of AODV and AOMDV Routing Protocols In Wireless Mesh Network, Ird India, ISSN(Print): 2319-2526,Vol.2,Issue.6,2013.	**International**
Dr. S C. Desai	Pending Analysis of Supply Cain Network Using RFID Technique With Hybrid Algorithm, International Journal of Advanced Engineering Technology(IJAET), E-ISSN 0976-3945.	**International**
Dr. S C. Desai	Collision Detection Using Improved ray Tracing" Journal of Computer Science, Vol. 2, No 4, 2007.338-346.	**National**

Conference Publications

International:
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 .**

National:
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.

Research Articles Presented at National/International Conferences :

1. A certain paracompactness in fuzzy topological spaces, UGC Sponsored National conference on 'Analysis and its applications'(NCAA-2019), 1st to 2nd March 2019. Organized by Post-Graduate Department of Studies and Research in Mathematics, Karnatak Unuversity, Dharwad.

2. Countability and Seperability axioms in fuzzy topological spaces, National conference on Geometry, Toplogy and their applications(NCGTA-2016), 3rd and 4th August 2016, Organized by Post-Graduate Department of Studies and Research in Mathematics, Karnatak Unuversity, Dharwad.

3. Weaker Forms of Paracompactness in Fuzzy Topological Spaces, 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.

4. Connectedness and Local Connectedness in Fuzzy Topological spaces, "National Seminar on Recent Developments in Mathematics " Department of Mathematics Karnataka University, Dharwad, 16 – 18, December1993.

5. 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.

15. National conference on Geometry, Toplogy and their applications(NCGTA-2016), 3rd and 4th August 2016, Organized by Post-Graduate Department of Studies and

Research in Mathematics, Karnatak Unuversity, Dharwad.

16. UGC Sponsored National conference on 'Analysis and its applications'(NCAA-2019), 1st to 2nd March 2019. Organized by Post-Graduate Department of Studies and Research in Mathematics, Karnatak Unuversity, Dharwad.