


1	Name in Full	<ul style="list-style-type: none"> • Name: DR. SANTOSH L DESHPANDE • Address: DEPARTMENT OF CSE, VTU, BELAGAVI-590018 • Phone: 9448428785 • E-mail id: sldeshpande@gmail.com / sld@vtu.ac.in 
2	Date of Birth	27/10/1974
3	Qualification	DOCTOR OF PHILOSOPHY (Ph. D)
4	Date of Entry into Services	12/12/2013
5	Designation	PROFESSOR
6	Academic profile	Ph. D: CSE PG: M. TECH (CSE) UG: B.E (EC) PUC II: PCMB SSLC
7	Positions held	TEQIP Coordinator from 2017 till now. RUSA Coordinator from 2013 till now.
8	Courses Taught	Wireless Ad-hoc Networks, Advances in Computer Networks, Multi Core Architecture and Programming, Soft Computing, Distributed Computing, Switching & Statistical Multiplexing In Telecommunications, Cloud Computing, Client Server Programming, Multimedia Communications, Mobile Application Development,
9	Areas of Specialization	CSE
10	Orientation/ Training / Refresher Courses/ Workshops and Conference attended with details	Annexure 1
11	Seminars attended with details	Annexure 2
12	Details of Publications	Books: 1 Research Papers and Articles: Annexure 3 Publication year: Annexure 3
13	Paper Reviewer	
14	Details of extension Services (Association with Social Organization)	_____

15	Details of Consultation Industry / Business other Institutions.	<ul style="list-style-type: none"> ○ Vijayanagara Sri Krishnadevaraya University, Bellary. ○ Rani Channamma University, Belagavi. ○ Davangere University Davangere. ○ BMS College of Engineering, Bengaluru. ○ RV College of Engineering, Bengaluru. 															
16	Invitation as Guest faculty /Programmes done																
17	Representation on BOS/ Syllabus committees of Universities	<ul style="list-style-type: none"> ○ Vijayanagara Sri Krishnadevaraya University, Bellary. ○ Rani Channamma University, Belagavi. ○ Davangere University Davangere. ○ BMS College of Engineering, Bengaluru. ○ RV College of Engineering, Bengaluru. 															
18	Details of Research Guidance	Total 8 students guiding for PhD under VTU, Two students completed Ph. D , Four students applied for Comprehensive viva. One student is completed Comprehensive viva voce. One full Time research Scholar. Annexure 4															
19	Number of Research scholars	9															
20	Number of students register for Ph.D program	7															
21	No of students registered for Ph.D	7															
22	No of Ph.D in progress	Two students completed Ph. D , Four students applied for Comprehensive viva. One student is completed Comprehensive viva voce. One full Time research Scholar.															
23	Any other Information	<ul style="list-style-type: none"> • Innovation and teaching related data • Patents • Awards • Fellowships • Social responsibility program <p>Any other information</p> <ul style="list-style-type: none"> ➤ Member of Anti-plagiarism cell at VTU Belagavi. ➤ Member of PIU for exam cell at VTU Belagavi ➤ Member of selection committee for temp. Staff at VTU Belagavi. ➤ Member of LIC committee of VTU Belagavi. ➤ Coordinator NIRF for VTU Belagavi. ➤ Coordinator KSURF for VTU Belagavi ➤ Details of Research Scholars: Annexure 4 ➤ Guided the PG Students: Annexure 4 ➤ Details of Research Projects: Annexure 4 ➤ Supporting document require 															
24	No. of student for mentoring (Category wise)	<ul style="list-style-type: none"> • Caste wise • Gender wise • Category wise <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Year</th> <th>SC</th> <th>ST</th> <th>OBC</th> <th>GEN</th> </tr> </thead> <tbody> <tr> <td>2014-15</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2015-16</td> <td>-</td> <td>-</td> <td>2</td> <td>5</td> </tr> </tbody> </table>	Year	SC	ST	OBC	GEN	2014-15					2015-16	-	-	2	5
Year	SC	ST	OBC	GEN													
2014-15																	
2015-16	-	-	2	5													

		2016-17	-	-	1	2	
		2017-18	1	-	-	-	
		2018-19	-	-	1	-	
		2020-21	-	1	-	-	
25	Professional Summary / Work Experience	Teaching	Research	Industry	Others		
		18 Years	----	4 Years	----		
26	Professional Memberships	ISTE					

Annexure 1

Orientation/ Training / Refresher Courses/ Workshops: Attended

Name: DR. SANTOSH L DESHPANDE

Year	Title of the professional development program	Date and Duration (from – to)
2014	Workshop “ IPR-Training the trainer”, organized by VTU, Belagavi (Jointly with VTPC, Karnataka)	6th Jan 2014
	FDP on “Quality Enhancement in Teaching and Research Methodology to Bridge the Gap between Academics and Industry”, organized by VTU, Belagavi	27th to 31st May 2014
	Workshop on “ Apple in Education”, organized by VTU, Belagavi	22nd to 24th July 2014
	Workshop on “Geospatial Technology for Planning and Management”, organized by VTU, Belagavi	16nd to 20th September 2014
	Workshop on “ Apple ipad Orientation Programme”, organized by VTU, Belagavi	23rd to 24th September 2014
	Workshop on “ Apple ipad Training”, organized by VTU, Belagavi	24rd to 29th September 2014
	Workshop on “ Apple in Education-Training”, organized by VTU, Belagavi	13nd to 18th October 2014
	Skin care, organized by VTU, Belagavi	20th Nov. 2014
2015	Faculty Skillsets- Discovering the Teacher in You!, organized by VTU, Belagavi	27th to 31st January 2015
	Saksham-IT Champion Training Program, organized by VTU, Belagavi	22nd to 27th June 2015
2017	Attended One day International Seminar on digital Manufacturing, organized by Dept. of PDM, Center of PG Studies, VTU, Belagavi	11-May-17 (1 Day)
	One Day “Training Capacity Building Training on the usage of energy conservation building code-2014”, organized by Dept. of WLM, Center of PG Studies, VTU, Belagavi	12-Nov-17 (1 Day)

2018	One Week FEP on “Mathematics (M2)”, under TEQIP 1.3, organized by Center for PG Studies, VTU, Belagavi.	16-01-2018 to 20-01-2018 (5 days)
	One Week FEP on “Design and Analysis of Algorithms” under TEQIP 1.3, organized by Center for PG Studies, VTU, Belagavi.	26-01-2018 to 30-01-2018 (5 days)
	FDP on “System Design using System Verilog”, organized by Dept. of VLSI Design and Embedded Systems, Center of PG Studies, VTU, Belagavi	24-04-2018 to 27-04-2018 (4 Days)
2020	One Day Workshop on “New Model Curriculum for First Year BE/B. Tech- CBCS Detailed Syllabus (2018-2019) as	
	FDP on “Computer Science & Biology” organized by “Velammal Institute of Technology.”	2020-10-19 to 2020-10- 23
	FDP on “Internet of Things (IoT)” organized by “sridevi womens engineering college.”	2020-12-7 to 2020-12-11

Annexure 2

Seminar: Attended

Name: DR. SANTOSH L DESHPANDE

Year	Title of the professional development program	Date and Duration (from – to)
2015	National Seminar: Library Consortia in Digital Age: Opportunities and Challenges, VTU, Belagavi.	1st and 2nd December 2015 (2 Days)
2017	Attended One day International Seminar on digital Manufacturing, organized by Dept. of PDM, Center of PG Studies, VTU, Belagavi	11-May-17 (1 Day)
2018	One day National Seminar on “Soil and Water Conservation Measures”, organized by Department of Water Land Management, Center of PG Studies, VTU, Belagavi.	23-05-2018 (1 Day)

Annexure 3

Journal: International/ National

Name: DR. SANTOSH L DESHPANDE

Sl No	Title	Authors	Journal	Year	Vol	Page no	ISSN/ISBN
1	Hop-By-Hop Encryption Protocol for Transmission of Data over Public Networks	Santosh Deshpande Subhash S	International Journal of Advanced Research in Computer Science	2015	Volume 6	50-53	0976-5697
2	Pseudonym Based Security Architecture for Wireless Mesh Network	Santosh L. Deshpande Sharvani R. Marathe	IOSR Journal of Computer Engineering	2014	Volume 16	1-5	2278-0661,
3	Quality Aware Reliable Messaging For Wireless Mesh Network	Santosh L. Deshpande Anuradha Desai	IOSR Journal of Computer Engineering	2014	Volume 16	6-10	2278-0661,
4	Optimal Replication Strategy Using Rough Set Theory for Dynamic Content Replication	Santosh L. Deshpande Shruthi	International Journal of Computer Science and Information Technologies,	2015	Vol. 6	4006-4009	0975-9646
5	Enhanced Replication Strategy using Proportional Replication	Santosh L. Deshpande Sujata Mane	International Journal of Advanced Research in Computer Science	2015	Volume 6,	89-93	0976-5697
6	By-Passing Infected Areas in Wireless Sensor Networks using Twin Rolling Ball Technique	Santosh L. Deshpande Kiran Kamati	International Journal of Emerging Technologies in Engineering Research	2015	Volume 1	35-41	2454-6410
7	Achieving efficient Geographic routing via Mobility based forwarding node selection schemes in Mobile Sensor Network	Santosh L. Deshpande Akash Amathe	International Journal of Computer Science and Information Technologies	2015	Volume 6	4010-4014	0975-9646
8	The Enhanced Digital Investigation On Crime Scene	Santosh L. Deshpande SHIVANAND ULLEGADDI	International Journal of Emerging Technology in Computer Science & Electronics	2015	Volume 14	465-469	0976-1353
9	A	Santosh L.	International Journal of Advance	2015	Volume	362-369	2394-2444

Name: DR. SANTOSH L DESHPANDE

	Comprehensive Analysis of Response Time of Cloud	Deshpande Sachin Anniger	Research in Engineering, Science & Technology		3		
10	Big-data Approaches for Bioinformatics Workflows: A Comparative Assessment	Santosh L. Deshpande Rickey T. P. Nunes	Smart Trends in Information Technology and Computer Communications (Book Chapter) Springer	2016	Volume 3	647-654	978-981-10-3432-9
11	Computation Migration: A new approach to execute big-data bioinformatics workflows	Santosh L. Deshpande Rickey T. P. Nunes	International Journal of Big Data Intelligence (Inder science Publications)	2016	Volume 4 issue 3	(in press)	2053-1397
12	Performance Evaluation of Duty Cycle Modulation in HPC	Santosh L. Deshpande Aparna Sure	International Journal of Advanced Research in Computer and Communication Engineering	2016	Vol. 5	511-513	2278-1021
13	Secure Data Transmission By Modifying Scaodv Protocol Using Rsa Algorithm In Manet	Santosh L. Deshpande Sneha R Kurli	International Journal of Recent Trends in Engineering & Research	2016	Volume 02	262-267	2455-1457
14	International Journal Of Engineering And Computer Science	Santosh L. Deshpande Pooja S Devagiri	International Journal Of Engineering And Computer Science	2016	Volume 5	38-44	2319-7242
15	E-LEARNING A Linguistic Rural Perspective	Santosh L. Deshpande Fakkiravva Muttagi	International Journal of Research in Engineering and Technology	2016	Volume: 05	118-122	2321-7308
16	Secured Data Aggregation in Wireless Sensor Networks using Red Black Tree	Santosh L. Deshpande Arati S. Patil	International Journal of Innovative Research in Computer and Communication Engineering	2016	Vol. 4	859-864	2320-9798
17	Implementation of Secure Data Transmission for Mobile nodes using Distributed Firewall	Santosh L. Deshpande Vanishri Jayakar	International Journal of Recent Trends in Engineering & Research	2016	Volume 02,	181-184	2455-1457
18	Piracy Detection App of Android Applications	Santosh L. Deshpande Nandisha M. M.	International Journal of Computer Applications	2016	Volume 146	06-10	0975-8887
19	Configuration Based Statistical Analysis of Intrusion Detection System	Santosh L. Deshpande Ashwini Araballi	International Journal of Innovative Research in Computer and Communication Engineering	2016	Vol. 4	111-119	2320-9801
20	Hybrid Strategy Using Hidden Markov Model For Investigation Of NIDS	Santosh L. Deshpande Potdar Shruti Suresh	International Journal of Recent Trends in Engineering & Research	2016	Volume 02	88-93	2455-1457

21	Critical Section and Mutual Exclusion Problem in Distributed System	Santosh L. Deshpande Niteen Y.Hanchinmani	International Journal of Advance Research in Engineering, Science & Technology	2016	Volume 03	397-402	2394-2444
22	A Hybrid Routing Protocol for Ad-hoc Wireless Network Based on Proactive and Reactive Routing Schemes	Santosh L. Deshpande Chetana K. Kamate	International Journal of Innovative Research in Computer and Communication Engineering	2016	Vol. 4	501-508	2320-9801
23	Implementation of routing protocols using GNS3	Santosh L. Deshpande Shilpa Koli	International Journal of Recent Trends in Engineering & Research	2016	Vol. 4	1-5	2455-1457
24	Network Admin Tool	Santosh L. Deshpande Gangadhar V. Koulagi	International Journal of Advance Research in Engineering, Science & Technology	2016	Volume 3	126-131	2394-2444
25	Big-Data Approaches for Bioinformatics Workflows: A Comparative Assessment	Santosh Deshpande Ricky	Smart Trends in Information Technology and Computer Communications	2017			978-981-10-3432-9
26	Rough Set based Quality of Service Optimization Guidelines with Stack Parameter	Prathviraj N., Santosh L Deshpande	International Journal of Information and Decision Sciences[INDERSCIENCE] (in press)	2018			
27	Multipath QoS Enabled Source Routing in MANET	Prathviraj N., Santosh L Deshpande	International Journal of Electrical and Computer Engineering[Q2 Scopus] (in press)				
28	Computation Migration: A new approach to execute big-data bioinformatics workflows	Rickey T. P. Nunes, and Santosh L. Deshpande	International Journal of Big Data Intelligence	2018	Vol 5 No.3	pp.156-164	
29	Dynamic load balancing in Image Retargeting using Pipeline Architecture	Ganesh V. patil S. L. Deshpande	Periodicals of Engineering and Natural Sciences (PEN)	2018	Vol 6, Issue 2		
30	Image optimisation using dynamic load balancing	Ganesh V. patil S. L. Deshpande	International Journal of Knowledge Engineering and Data Mining	2018	Volume 5 Issue 1-2	Pages 68-89	
31	A Fast Robust Approach for video shot Boundary Detection based on CNN Feature	Sneha Venkatesh , R H Goudar , Santosh Deshpande	International Journal of Pure and Applied Mathematics	2018	Volume 120 No 6	Pages 1-12	
32	Prediction Based Dynamic Load	Ganesh V. patil S. L. Deshpande	International Journal of Engineering Sciences and	2019	Volume 1	Pages 62-67	

	Balancing Model for Distributed Rendering		Management - A Multidisciplinary Publication of VTU		Issue 01		
33	Reducing data transfer in big-data workflows: the computation-flow delegated approach	Rickey T. P. Nunes, and Santosh L. Deshpande	Journal of Data, Information and Management, Springer	2019		1-17	

Conference: International/ National

Name: DR. SANTOSH L DESHPANDE

Sl no.	Title	Authors	Conference	Year	Page no	ISSN/ISBN
1	Design of User behavior Sensitive Kannada Keyboard	Santosh L. Deshpande Deepti Mullur	International Conference on Computers, Communications, and Systems (IEEE)	2015	26-30	978-1-4673-9754-4
2	Big-data Approaches for Bioinformatics Workflows: A Comparative Assessment	Santosh L. Deshpande Rickey T. P. Nunes	International Conference on Smart Trends for Information Technology and Computer Communications (Springer)	2016	-	1865-0929
3	Rough set approach for solving multi constrained QOS routing problem in MANET	Santosh L. Deshpande Prathviraj N	IEEE WiSPNET 2016	2016	1193-1196	978-1-4673-9338-6
4	Distributed rendering system for 3D animations with Blender	GV Patil, SL Deshpande	IEEE International Conference on Advances in Electronics, Communication and Computer Technology (ICAECCT)	2016	91-98	
5	Big-data Transportation in Orchestrated Bioinformatics Workflows: An Analysis and Hypothesis	Santosh L. Deshpande Rickey T. P. Nunes Sattanathan Subramanian	Information and Communication Technology for Competitive Strategies (ACM)	2016	1007-1013	978-1-4503-3962-9
6	Dynamic Data Placement and Tool Assignment for Big-data Orchestrated Bioinformatics workflows	Rickey T. P. Nunes and Santosh L. Deshpande	IEEE International Conference on Advances in Computing, Communications and Informatics (ICACCI)	2017	1-6	
7	Study of load balancing algorithms for Cloud Computing	Vidya S.Handur, Supriya Belkar, Santosh Deshpande, Prakash R.Marakumbi	IEEE Second International Conference on Green Computing and Internet of Things (ICGCIoT)	2018	173-176	
8	Prediction based Dynamic Load Balancing System for Text to Speech Conversion	Ganesh V Patil, Santosh L. Deshpande	International Conference on Smart Systems	2020		ISBN:978-1-7281-2119-2

Book Series/Chapter

1. Prathviraj N., Santosh L Deshpande, "Rough Set Based Analysis of Multi-layer Stack Parameter in MANET" Lecture Notes on Data Engineering and Communications Technologies book series (LNDECT, volume 28)[Springer], 2017, Pages 217-229, <https://doi.org/10.1007/978-981-13-6459-4>
2. Prathviraj N., Santosh L Deshpande, "Context Aware Network for Smart City Services: A Layered Approach", Communications in Computer and Information Science book series (CCIS, volume 876)[Springer], 2018, Pages 113-119, <https://doi.org/10.1007/978-981-13-1423-0>.
3. Rickey T. P. Nunes, and Santosh L. Deshpande. "Big-data Approaches for Bioinformatics Workflows: A Comparative Assessment", International Conference on Smart Trends for Information and Computer Communications: SmartCom 2016. Volume 628 of the series Communications in Computer and Information Science, pp. 647-654 (Series ISSN 1865-0929); Springer, 2016.
4. Pranesh, Santosh L. Deshpande, "Tree-Based Approaches for Improving Energy Efficiency and Life Time of Wireless Sensor Networks (WSN): A Survey and Future Scope for Research", In book: Inventive Communication and Computational Technologies (pp.583-590), Chapter, 2020.

Annexure 4

Details of Research Scholars

Name: DR. SANTOSH L DESHPANDE

Academic Year	Name of the guide	Name of the research scholar	Title of project/ thesis	Present status of Progress	Full time/ Part time	Fellowship/ Scholarship etc.
2012-13	Dr. Santosh Deshpande	Rikey Nunes	A Novel Framework for Handling Big-data in Orchestrated Bioinformatics Workflows	Completed	Part-time	NIL
2014-15	Dr. Santosh Deshpande	Rohit kaliwal	Implementation of Bayesian Belief Network to Estimate the Reliability of an Assessment	Comprehensive Viva Voce Pending	Part-time	NIL
		Ganesh Patil	Ranking Based Dynamic load Balancing algorithm	Final Viva Voce on 19 Oct 2019	Part-time	NIL
		Vidya H	Dynamic Load Balancing in Heterogeneous Distributed Systems using Evolutionary Algorithms	Comprehensive Viva Voce Pending	Part-time	NIL
		J Pujoory	Conjugate based protocol design and verification mechanism			
2015-16	Dr. Santosh Deshpande	Prathviraj	Optimized algorithm for multi-constrained QoS routing in MANET	Comprehensive Viva Voce Completed	Part-time	NIL

2016-17	Dr. Santosh Deshpande	Pranesh K	Dynamic Structural Reorganization of Wireless Sensor Network Topology : A Red Black Tree(RBL) Approach For Extending The Network Life Time	Comprehensive Viva Voce Pending	Part-time	NIL
2017-18	Dr. Santosh Deshpande	Sneha			Full time	--
2020-21	Dr. Santosh Deshpande	Bharati Pannyagol			Full time	-

Details of Research Projects

Academic Year	Name of project	Funding Agency	Amount	Period	Date of sanction	Name of the Principal investigator
2016-17	An Architecture for Improving Quality of Service in Mobile Ad-hoc based Smart City Services	SERB	16.00 Lakhs	2 Years	Results Awaited	Dr. Santosh Deshpande

Guided the PG Programs for the Years in VTU: M. Tech and MCA

Year	Name	USN	Department	PG Center	Total
2014	ASHWINI BATAGURKI	2VX12SCN01	CNE	VTU,Belagavi	17
	BASAVRAJ KULALI	2VX12SCN02			
	BHAGAT INAMADAR	2VX12SCN03			
	CHANDRAKANT RAMAPPA M	2VX12SCN04			
	CHETAN DODABHANGI	2VX12SCN05			
	DESAI ANURADHA ARUNKUMAR	2VX12SCN07			
	GANGADHAR	2VX12SCN08			
	HARISH K	2VX12SCN11			
	MADHU M S	2VX12SCN13			
	MD ARIF	2VX12SCN14			
	NARASING KOKANE	2VX12SCN15			
	SANDYA M KOUJALGI	2VX12SCN17			
	SHARVANI RAMAKRISHNA M	2VX12SCN18			
	SHILPA V	2VX12SCN19			
	SWATHI SHASTRY	2VX12SCN21			
	VENKATESHA K O	2VX12SCN23			
	VIJAYKUMAR PARAMANAND	2VX12SCN24			
2015	AFRIN SAYED	2VX13SCN01	CNE	VTU,Belagavi	15
	AKASH ASHOK AMATHE	2VX13SCN02			
	ASHWINI ISLAMPURE	2VX13SCN03			
	DHANANJAY A POTDAR	2VX13SCN04			
	GEJJI RENUKA APPASAHEB	2VX13SCN05			
	KIRAN ANKALAKOTI	2VX13SCN06			
	KIRAN K KAMATI	2VX13SCN07			
	MANE SUJATA	2VX13SCN08			
	POOJA VEERANNA DODDAMANI	2VX13SCN10			
	SANGEETA SHILEDAR	2VX13SCN15			
	SHIVANAND ULLEGADDI	2VX13SCN17			
	2016	APARNA SURE			
ARATI PATIL		2VX14SCN02			
ASHWINI ARABALLI		2VX14SCN03			

[Type text]

	CHETANA KIRAN KAMATE	2VX14SCN04			
	FAKKIRAVVA MUTTAGI	2VX14SCN05			
	NANDISHA M M	2VX14SCN10			
	NITEEN HANCHINMANI Y	2VX14SCN12			
	POTDAR SHRUTI SURESH	2VX14SCN15			
	SACHIN C ANNIGERI	2VX14SCN17			
	SHILPA KOLI	2VX14SCN19			
	SNEHA R KURLI	2VX14SCN21			
	VANISHRI JAYAKAR	2VX14SCN26			
2017	BHAGYASHRI ANAND JANTKAL	2VX15SCN03	CNE	VTU,Belagavi	6
	SAGAR DESHAPANDE	2VX15SCN13			
	SHILPA MUNNOLI	2VX15SCN14			
	SUJATA PATIL	2VX15SCN17			
	VIDYASHREE	2VX15SCN23			
	VIJAY KUMAR S R	2VX15SCN24			
2018	RAJALAXMI ALATGI	2VX15SCN10	CNE	VTU,Belagavi	4
	ANUJA TINAIKAR P	2VX16SCN01			
	ASHISH C UMARE	2VX16SCN03			
	SNEHA G	2VX16SCN09			
2019	AVINASH PRATAP BUDARAGADE	2VX17SCN01	CNE	VTU,Belagavi	1
2020	Naseema S	2VX18SCN01	CNE	VTU,Belagavi	1