

Resume / Curriculum Vitae



Name	Dr. H R Shashidhara			
Date of Birth	01.07.1966			
Address	<p>Associate Professor , Department of Computer Science & Engg., RNS Institute of Technology, Channasandra, Dr. Vishnuvardhan Road Bengaluru - 560 098, Karnataka, INDIA</p> <p>Mobile: 9880822991 E-mail: shashi_dhara@yahoo.com</p> <p>Residential Address: #259, "Bilva Kunja", Railway Layout (RHBCS), Bhavani Nagar II Phase, 4th Cross, 8th Main, Ullala Main Road, Near Vidyaniketan Public School, Bengaluru – 560 056, Karnataka, INDIA</p>			
Education	Degree	Institution, University	Class Obtained	Year
	B.E. Computer Science and Engg.,	J.M. Institute of Technology, Chitradurga, Mysore University, Mysore	First Class with Distinction 70.20 %	1991
	M.Tech.. Computer Science and Engg.,	BMS College of Engineering, Bengaluru , Visvesvaraya Technological University, Belgavi.	First Class with Distinction 71.15 %	2003
	Ph.D. Computer Science and Engg.,	School of Computing and Information Technology, Reva University, Bengaluru	Awarded	Aug. 2018
	Title of the PhD Thesis : Novel Query Optimization Methods for Web Retrieval Process Performance Enhancement			
Experience	Nature of Experience		No. of Years	
	I. Teaching		28	
	II. Research		Nil (Two students are approached)	
Experience Details	Designation	Institution/ Organization	Duration	
	Lecturer in CSE Dept.	Kalpataru Institute of Technology Tiptur	Jan 1992 - June 1992	
	Lecturer in CSE Dept.	Dr. Ambedkar Institute of Technology, Bengaluru	Aug 1992 - May 1996	
	Lecturer in ISE Dept	Dr. Ambedkar Institute of Technology, Bengaluru	June 1996 - Aug 2003	
	Assistant Professor in ISE Dept.	Dr. Ambedkar Institute of Technology, Bengaluru	Sept 2003 - Aug 14 th 2007	
	Professor in CSE Dept. and also HoD CSE Dept. (2 Years)	Reva Institute of Technology and Management, Bengaluru	Aug 16 th 2007 - Jan 13 th 2011	
	Assistant Professor in CSE Dept.	RNS Institute of Technology Bengaluru - 98	Jan 17 th 2011 - Sept. 30 th 2019	
	Associate Professor in CSE Dept.	RNS Institute of Technology Bengaluru - 98	Oct. 1st 2019 - till date	
Professional Memberships	Life Member of Indian Society for Technical Education (ISTE), LM13167			
Other Professional Experience	MCP/MCSD - Microsoft certified course, at Advanced Technology Labs, Bengaluru, during 1998			

**Papers
Presented /
Published**

1. Dr. Shashidhara H R , Sanjay P K, Dr. G T Raju, Dr. Vinayaka Murthy , “**Effective Cost Models for Predicting Web Query Execution Cost**”, Published in **International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-2S, December 2019**
2. Shashidhar H R , Dr. G T Raju , , Dr. Vinayaka Murthy , “**Survey On Web Query Optimization Trends and Future Research**”, Published in **International Conference On Advanced Material Technologies (ICAMT) -2016, Issue-V, pp.409-417, 27th – 28th , December 2016, Dadi Institute of Engineering and Technology (DIET), Visakhapatnam, Andhra Pradesh, Published in Elsevier Materials Today: Proceedings.**
3. Shashidhar H R , Dr. G T Raju , , Dr. Vinayaka Murthy ,” **Selectivity Estimation in Web Query Optimization**”, Published in The second International Conference on Internet of Things, Data and Cloud Computing (ICC 2017) held in Cambridge city, Churchill College. University of Cambridge, United Kingdom, 22-23 March 2017. Paper published by ACM - International Conference Proceedings Series (ICPS) and is available in [ACM Digital Library . ISBN: 978-1-4503-4774-7](#)
4. Shashidhar H R , Dr. G T Raju , , Dr. Vinayaka Murthy, “**Efficient Estimation of Result Selectivity for Web Query Optimization**”, Published in International Journal of Pure and Applied Mathematics (IJPAM) , Scopus Indexed Journal. Volume 117 No.7 2017, 193-205, ISSN: 1311-8080(printed version); ISSN: 1314-3395(On-line version).
5. Shashidhar H R , Dr. G T Raju , , Dr. Vinayaka Murthy, “**Effective Cost Models for Web Query Optimization**”, Published in International Journal of Pure and Applied Mathematics (IJPAM) , Scopus Indexed Journal. Volume 117 No.20 2017, 727-739, ISSN: 1311-8080(printed version); ISSN: 1314-3395(On-line version).
6. Prakasha S, Shashidhar H R , Dr. G T Raju , , “**A Survey on Various Architectures, Models and Methodologies for IR**”, IJCET, IAEME, Volume 4, Issue 1, pp.182-194, January-February 2013.
7. Prakasha S, Shashidhar H R, Dr. G T Raju “**The Role of Information Retrieval in the current era of Computer Science Stream**”, IJSCE Volume 3, Issue-3, July 2013
8. Prakasha S, Shashidhar H R, Dr. G T Raju, “**Clustering of Text Document based on ASBO**”, Wulfenia Journal, Volume 20, No 6 , pp. 152-165, Jun 2013. *Scopus indexed Journal.*
9. Prakasha S, Shashidhar H R, Dr. G T Raju, “**A Novel approach for Query suggestions using Query and Document Clustering**” accepted for publication in *IJET Journal Scopus indexed journal.*
10. Prakasha S, Shashidhar H R, Prajna Krishnan, Shivaram K , Dr G T Raju “**Performance Evaluation of Query Processing Techniques in IR**”, International Conference on Computer Science & Applications, *ACEEE* Lucknow, pp. 118-123, 2013.
11. Prakasha S, Shashidhar H R, Prajna Krishnan, Shivaram K , Dr G T Raju “**Query Processing along with Query Clustering analysis in IR**”, published in *ERCICA 2013, Elsevier Publication* , pp 428 -435, 2013
12. Prakasha S, Shashidhar H R, Dr G T Raju “**Structured Intelligent Search Engine for effective Information Retrieval**“, *ERCICA 2014* “ISBN : 9789351072621 Published in Elsevier, pp 308 - 315, 2014.
13. Prakasha S, Shashidhar H R, Dr G T Raju “**Structured Intelligent Search Engine for effective Information Retrieval using Query Clustering technique and Semantic Web**” published in International Conference on Contemporary Computing and Informatics, Mysore. Published in *IEEE* Conference, pp 688-695, 2014.
14. Dr. Shivanand M. Handigund, A. A. Chikkamannur and K. Ananthapadmanabha, and H. R. Shashidhara “**An Ameliorated Methodology for Comprehension of Legacy System**”, Journal of Advances in Information Technology, vol 1, No 2, page 92-96, 2010.
15. Shashidhara H R, Magheshwaran R “**Key Project Management Issues for successful ERP Implementation**” Proceedings of the National Conference on Software Engineering (NCSE-2009), April 24, 2009 MSRIT, Bangalore.

Papers Presented / Published	<p>17. Dr. Shivanand M. Handigund, A. A. Chikkamannur and K. Ananthapadmanabha, and H. R. Shashidhara “Comprehension of Legacy System: A Novel Methodology” Proceedings of the National Conference on Information Technology (NCIT-2009), March 30 – 31,2009, BITT, Bangalore.</p> <p>18. Shashidhara H R, Magheshwaran R, Manjunath B “Data Integration and Management Solutions” 3rd National Conference; INDIACom-2009 , Computing For Nation Development, February 2009 Bharati Vidyapeeth’s Institute of Computer Applications and Management, New Delhi.</p> <p>19. Shashidhara H R, Magheshwaran R, Manjunath B “Use of Information Technology Tools for SCM implementation - An Indian Industry Perspective” Proceedings of the 2nd National Conference; INDIACom-2008 Computing For Nation Development, February 08 – 09, 2008, Bharati Vidyapeeth’s Institute of Computer Applications and Management, New Delhi.</p> <p>20. Shashidhara H R “Impact of Technology In Banking Sector” Proceedings of the 7th State Level ISTE Convention held at Dr. AIT., Bangalore during November 29 –30 2004.</p>
Areas of Research Interest	<p>Knowledge Discovery in Databases, Clustering and Prefetching techniques, Pattern Recognition, Web Mining and its Applications, Semantic Web, Information Retrieval Techniques, AI and Machine Learning</p>
Research Guidance	<p>Two students</p>
Subjects Taught	<p>System Software, Computer Organization, , Software Engineering, Management & Entrepreneurship for IT Industry, Cloud Computing, Business Intelligence & its Applications, Software Architecture, Embedded Computing Systems, Software Practices & Testing, Principles of User Interface Design, RDBMS, OS, Computer Networks, Micro Processors, E-Commerce and Applications, Computer Architecture, Unix and Shell Programming, Unix Systems Programming, Programming Languages, Programming in C/C++, Management Information System.</p> <p>Labs – RDBMS, SS & OS , SS & CD, USP, C, Data structures with C, CN, Algorithms, Web Applications</p>
Distinctions/Awards Received	<ol style="list-style-type: none"> 1. Conferred Gold Medal award from Vasavi Union and Vasavi Charitable Trust, Bengaluru during November 2019 for the award of Ph.D degree 2. Conferred Gold Medal award from Vasavi Union and Vasavi Charitable Trust , Bengaluru during March 2004 for securing highest Marks in M.Tech., degree. 3. Appreciation letter from DG & IGP, Karnataka State fire & Emergency services department, Bengaluru for the Software product “I-Agni” developed and delivered by RNSIT team as a societal service for their usage. 4. Conferred Excellency award from Karnataka Arya Vysya Mahasabha, Bengaluru during September 2018 for Ph.D award.

Professional Experience	<ul style="list-style-type: none"> ▪ Associate Professor, RNSIT from Oct. 1st 2019 to till date ▪ Assistant Professor, RNSIT from Jan 17th 2011 to Sept. 30th 2019. ▪ Placement Officer for 2 Years, RNSIT from May 2013 to 3rd June 2015. ▪ Professor & Head, CSE Dept., for 2 Years, Reva ITM , Bangalore, from Jan 2008 to Jan 2010 ▪ Session-Chair for Paper/Poster Presentation event in 32nd CSI Karnataka Students Convention, @ Cambridge IT, Bengaluru during 1st and 2nd March 2019 ▪ Session-Chair, ICGIoT-2018, @ GAT, Bengaluru, on 18th Aug. 2018 ▪ Member, BOE, ISE Board, Dr.AIT , Bengaluru, since 2015 onwards ▪ BOS Member of KSOU, Mysore University for CMC Systems, Bangalore, during 2005 ▪ Subject Expert – Staff Selection Committee at Aadrsha Institute of Technology, Bengaluru, and Dr. Sri Sri Sri Shivakumara Mahaswamy college of Engineering, Nelamangala. ▪ Invited Speaker and Resource person for the topic “Placement opportunities - an Industry Perspective” at Aadrsha Institute of Technology, Bengaluru, and Dr. Sri Sri Sri Shivakumara Mahaswamy college of Engineering, Nelamangala. ▪ External Deputy Chief Superintendent at SJBIT (2006), for VTU Theory Exams. ▪ Member Coordinator, VTU Valuation Centre @ RNSIT, 2015-17 ▪ Member Coordinator for VTU Practical exams @ RNSIT, 2011-12 ▪ Invited as a Jury for the event “ Under Graduate Project Competition for Cluster Institutions Under TEQIP ” for final year Engineering students from 22-06-2007 to 23-06-2007, conducted by MSRIT, Bangalore . ▪ Invited as a Jury in Srishti 2007 – a state level project exhibition & competition for engineering students from 04-05-2007 to 07-05-2007 ,conducted by ABVP and Basaveshwara Engineering College , Bagalkot . ▪ Visiting Faculty for M.Tech. Programme on “Microprocessors and Real Time Embedded Systems”, at University Visveshwaraiah College of Engineering , Bangalore. ▪ Visiting Faculty for B.Sc(IT) and M.Sc(IT) –KSOU -Distance Education Programme, at Adarsha College, Chamarajpet, Bangalore. ▪ Visiting faculty for the course on “ Microprocessors and Its Applications” conducted by Dept. of Physics , Bangalore University, Bangalore.
Work Shops/ Conferences Organized	<ol style="list-style-type: none"> 1. Member coordinator for Two-days workshop on Android Mobile Operating systems, April 21st -22nd , 2011, at RNSIT 2. Member Coordinator for 1st International Conference on Data Engineering & Communication Systems, ICDECS-2011, RNSIT, Dec 30-31, 2011 at Vivanta by Taj, Bangalore 3. Member coordinator for FDP on System Software & Operating System Lab, RNS Institute of Technology,30–31st July 2012 4. Member coordinator for FDP on Software Testing Laboratory, RNS Institute of Technology, 21-22nd Jan 2013 5. Member coordinator for Mobile Applications Development, 5th April 2014, RNSIT 6. Member coordinator for FDP on Problem Solving in C and Data Structures, 24th -25th July 2014, RNSIT 7. Member coordinator for 2nd International Conference on Data Engineering & Communication Systems, ICDECS-2015, RNSIT, Dec 28-29, 2015 at RNSIT, Bengaluru 8. Member coordinator for 3rd International Conference on Data Engineering & Communication Systems, ICDECS-2019, RNSIT, Dec 19-20, 2019 at RNSIT, Bengaluru

**Work Shops/
FDPs/
Seminars
Attended**

1. Workshop on Android Mobile Operating System, 21-22, April 2011, RNSIT, Bangalore
2. Research Opportunities in Optimization Techniques, Sep 29, 2011, Prof. Y Narahari, Professor and Chairman, CSA, IISc, Bangalore
3. Why should we study compiler design, Sep 22, 2011, Prof. Y N Srikanth, Professor, CSA, IISc, Bangalore
4. Market-Oriented Cloud Computing and the Aneka Platform, Dec 30, 2011, Dr.Rajkumar Buyya, University of Melbourne, Australia
5. Sensor Networks for Emerging Applications, Dec 30, 2011, Dr. S S Iyengar, USA
6. Lecture on “How to prevent Chronic and degenerative diseases through Nutrition”, Mr. Kumar N, Dietician, 4th Oct 2012
7. FDP on System Software & Operating System Lab, RNS Institute of Technology, 30-31st July 2012
8. Invited Talk on “ Ethics for teaching”, 7th Mar 2013, by Dr. Gururaj Karjagi, at RNSIT
9. Two day workshop on Effective Leadership for Excellence, Dr. K Balveera Reddy VivantaTaj, Bangalore, 29-30th July 2013
10. FDP on Software Testing Laboratory, RNS Institute of Technology, 21-22nd Jan 2013
11. Technology Trends in Silicon Valley, 13th August 2013, RNSIT
12. Mobile Applications Development, 5th April 2014, RNSIT
13. Options, Opportunities of Entrepreneur , 29th March 2014, RNSIT
14. FDP on Problem Solving in C and Data Structures, 24th -25th July 2014, RNSIT
15. Haptics - learn to build Robot 19th-20th Sep2014,RNSIT
16. “Empires of the future” by Mr.Manuel , 26th September 2014,RNSIT
17. Application Development Technologies, 1-3rd Jan 2015, RNSIT
18. Introduction to Hadoop,7th March 2015, RNSIT
19. 3-day In-house FDP on “Fundamental and Advanced Concepts of UNIX OS”, July 20-22, 2016,RNSIT
20. 2-day FDP on “Microprocessors and ARM Programming, OOP with Java”, Jan 29-30, 2017,RNSIT
21. 3-day In-house FDP on “Database Application Development using Python/Java”, in association with ISE and MCA departments, July 20-22, 2017
22. 3-day In-house FDP on “Machine Learning”, in association with ISE department, July 19-21, 2018
23. 3-day In-house FDP on “Web Technology and Applications”, in association with ISE department, July 23-24, 2018
24. Five days workshop on “ Semantic Web” conducted by NITK, Surathakal, from April 11 – 15, 2016.
25. Train The Trainer program on “ Software Project Success with Effective Project Management Practice”, conducted by Infosys Technologies Ltd, Bangalore from 04-04-2007 to 06-04-2007 under Campus Connect programme.
26. FDP on “ Microsoft .Net Technology Training Programme”, conducted by Microsoft Corporation India Pvt. Ltd., and VTU-Microsoft Technology Center, VTU Belgaum, from 24-09-2005 to 08-10-2005.
27. ISTE approved one week short term course under TEQIP on “Recent Trends in Advanced Communication Engineering” from 20-03-2006 to 25-03-2006 at Dr. A.I.T., Bangalore
28. ISTE approved short term training programme under TEQIP on “Data Mining & Warehousing” from 13-02-2006 to 18-02-2006 at Dr. A.I.T., Bangalore.
29. One day work shop at Dr. AIT, “ Knowledge Management”, 4th Nov 2006
30. ISTE approved short term training programme under TEQIP on “Advanced Unix System Programming” from 30-01-2006 to 03-02-2006 at Dr. A.I.T., Bangalore.
31. ISTE approved short term training programme on “Effective Communication and the Art of Assimilative Teaching”(ECAT) from 09-02-2004 to 14-02-2004 at Dr. A.I.T., Bangalore.
32. AICTE sponsored ISTE winter School / Impact IEP short term course on “ Relational Database Management Systems” from 17-02-1997 at PSG College of Technology, Coimbatore.
33. AICTE sponsored ISTE short term course on “ORACLE 7 RDBMS “ from 09-10-1995 to 08-11-1995 at Dr. A.I.T., Bangalore.
34. AICTE sponsored ISTE short term course on “IBM-PC Assembly Language Programming” from 20-12-1995 to 10-03-1995 at Dr. A.I.T., Bangalore.
35. Three days National Seminar on “ Graph Theory & Algorithms”, conducted at PESIT, Bangalore , from 10-06-2006 to 12-06-2006.
36. Two days National Seminar on “ EDUSAT e-learning Programme ”, organized by DSCE , Bangalore , from 22-04-2005 to 23-04-2005.
37. 7th State Level ISTE Convention held at Dr. A.I.T., Bangalore during November 29th and 30th 2004.
38. One day Seminar on IBM Rational Rose , conducted by Crane’s Software, Bangalore.
39. Two days Workshop on “ Effective Decision Making, Art of Delegation and Negotiation Skills” conducted by Dr. A.I.T., Bangalore in Collaboration with ISQT Process and Consulting Services Pvt. Ltd., from 30-05-2007 to 31-05-2007.
40. One day National Workshop on “ Digital Image Processing ” conducted by East Point College of Engineering and Technology, Bangalore, on 18-05-2007.
41. One day Workshop on “ International Virtual Laboratory on Mechatronics ”, under TEQIP conducted by Dr. A.I.T, Bangalore, on 16-10-2006.

42. Participated in the One day State Level Workshop on “ Advanced Applications In GIS and Remote Sensing ”, under TEQIP conducted by Dr. A.I.T, Bangalore, on 31-05-2006.
43. One Day Workshop on “ Info-Tech in Medicare” conducted by DSCE, Bangalore, on 10-03-2006.
44. Three Days National Workshop on “ MATLAB, SIMULINK & DSP Processor ”, under TEQIP conducted by Dr. A.I.T, Bangalore, from 06-03-2006 to 08-03-2006.
45. Five days Workshop on Software Engineering Concepts” Jointly by TCS, Bangalore and Dr. A.I.T., Bangalore.
46. Two days workshop Research Methodology at KSIT Bangalore from 24th – 25th Jan 2011.
47. Two days workshop on “Soft Computing–A Research Perspective (WSCR-10)” at Reva ITM Bangalore from 13th – 14th Aug 2010.
48. Two days workshop on “Theory of Computing & Applications TOC&A -10” at Reva ITM Bangalore from 28th – 29th Jun 2010.
49. A National workshop on Documentation using LATEX” at Reva ITM Bangalore from 27th – 28th Jan 2010.
50. One day workshop on “Theory of computing TOC -09” at Reva ITM Bangalore from 18th Dec 2009.
51. Two days workshop on “Data Mining & Data Warehousing” at Reva ITM Bangalore from 15th – 16th Dec 2009.

**National/
International
Conferences
Attended**

1. National Conference on Recent Trends in Information Technology, 4th April 2009, at SJBIT, Bangalore
2. International Conference on Data Engineering & Communication Systems, (ICDECS-2011), organized by Departments of CSE and ISE, RNSIT, Dec 30-31, 2011 at Vivanta by Taj, Bangalore
3. International Conference on Circuits, Controls, and Communication, C-Cube'13, 27-29 Dec 2013, RNSIT, Chairperson for paper presentation session
4. 2nd International Conference on Data Engineering & Communication Systems, ICDECS-2015, organized by Departments of CSE and ISE, RNSIT, Dec 28-29, 2015 at RNSIT, Bengaluru
5. International Conference on "Intelligent Sensing and Information Processing (ICISIP -2005)" jointly organized by the University of Melbourne, Australia, Institution of Engineers, Bangalore, Karnataka State Center, and IEEE EMB Society, from 14-12-2005 to 17-12-2005.

Expert /Invited Lectures Delivered	<ol style="list-style-type: none"> 1. Invited Speaker and Resource person for the topic “Placement opportunities - an Industry Perspective” at Aadrsha Institute of Technology, Bengaluru, and Dr. Sri Sri Sri Shivakumara Mahaswamy college of Engineering, Nelamangala. 2. Visiting Faculty for M.Tech. Programme on “Microprocessors and Real Time Embedded Systems”, at University Visveshwaraiah College of Engineering , Bangalore. 3. Visiting Faculty for B.Sc(IT) and M.Sc(IT) –KSOU -Distance Education Programme, at Adarsha College, Chamarajpet, Bangalore. 4. Visiting faculty for the course on “ Microprocessors and Its Applications” conducted by Dept. of Physics , Bangalore University, Bangalore.
Major Contributions apart from Teaching and Administration	<ol style="list-style-type: none"> 1. PG coordinator 2. Project , Internship & Seminar - Chief-Coordinator for UG students 3. NBA Criteria -2 and NAAC - Criteria-2 - Dept. coordinator 4. PROP coordinator 5. Member - Rank Committee - Department level 6. Mobile Squad Chief coordinator and Discipline committee member – college level 7. VTU -Digital Valuation Centre – member coordinator – college level 8. NAAC / LIC - visit & Final year Farewell Programme - Food Committee In-charge - college level 9. Subject Expert – Staff Selection Committee at Adarsha Institute of Technology, Bengaluru, and Dr. Sri Sri Sri Shivakumara Mahaswamy college of Engineering, Nelamangala. 10. Invited Speaker and Resource person for the topic “Placement opportunities - an Industry Perspective” at Adarsha Institute of Technology, Bengaluru, and Dr. Sri Sri Sri Shivakumara Mahaswamy college of Engineering, Nelamangala. 11. Invited as a Jury for the event “ Under Graduate Project Competition for Cluster Institutions Under TEQIP ” for final year Engineering students from 22-06-2007 to 23-06-2007, conducted by MSRIT, Bangalore. 12. Invited as a Jury in Srishti 2007 – a state level project exhibition & competition for engineering students from 04-05-2007 to 07-05-2007 ,conducted by ABVP and Basaveshwara Engineering College , Bagalkot 13. Visiting Faculty for B.Sc(IT) and M.Sc(IT) –KSOU -Distance Education Programme, at Adarsha College, Chamarajpet, Bangalore.
Project Works Guided	<p>Project Works Guided:</p> <ol style="list-style-type: none"> 1. 95+ projects for UG Students at an average of 2-3 projects/year, with a team size of maximum of 4 students/team 2. 35+ projects for PG Students at an average of 2 projects/year, with a team size of 1 student/team

Dr. H R Shashidhara
Associate Professor , CSE Dept. RNSIT

Place: Bengaluru

Date: 03/03/2020