CURRICULAM VITAE

Dr.B.G.Geetha, BE., ME., Ph.D. MISTE.,MCSI, IEANG.,

Professor & Director
Department of Computer Science and Engineering
K.S.Rangasamy College of Technology (Autonomous)
Tiruchengode- 637 215
Namakkal District, Tamilnadu, India.
Mobile: +91 – 9894688866
E-mail: geethaksrct@gmail.com

Dr.B.G.GEETHA received the B.E.(COMPUTER SCIENCE AND ENGINEERING) degree in 1992 at PeriyarManiammai College of Technology for Women from the Bharathidasan University. She completed her master degree M.E.(Computer Science and Engineering) in 2000 at Kongu Engineering College from Bharathiyar University. She received her Ph.D. degree in the area of Information and Communication from Anna University, Chennai in 2009. She has 27 years and 6 months of teaching experience. She is a **Professor** *and* **Director of the Department** *of COMPUTER SCIENCE AND ENGINEERING, K.S.Rangasamy College of Technology (Autonomous), Tiruchengode. She is working in* **DST-FIST sponsored college, NIRF-99 ranking college, DBT-STAR scheme sponsored and NBA-TIER I accredited department. She is recognized as a Supervisor for Ph.D. Programme and M.Tech (By Research) in Information and Communication, ANNA UNIVERSITY-Chennai***.** *She is trained certificate holder of 'High Impact Teaching Skills' through WIPRO MISSION 1OX and Trained Evaluator and Resource Person of NBA (National Board of Accreditation) by AICTE, New Delhi. She is in the editorial board member of International Journals. She has published papers in international, national journals and conference proceedings. She is Guiding 16 Ph.D. research scholars and* **12 scholarscompleted out of 16 scholars.** *Her areas of research include Software Engineering, Data mining, Cloud Computing, wireless networks, Image Processing and Big data analytics.*

Academics Experience

Engineering Teaching Experience: 28 years11 months
After Ph.D.   : 14 years

Academic Achievement	
Teaching Experience : 25 Years 9 months	Session Chaired in Conferences :7
Patent Granted : 2	National Conference Organized :5
Books published : 3	International Editorial Board/Reviewer :10
Research and Funding Agency (R&D)	
AICTE (RPS/FDP/STP) : 3	International Conference Organized : --
	National Workshops/Seminars Organized :10
SERB-DSTCompleted : 1	International Conferences Publications :18
Consultancy Projects(completed) : 1	
Sessions/Symposium Organized : 20	National Conferences Publications :14
Membership in Professional Bodies : 3	National/International Workshop attended :30
Faculty Development Program Organized : 5	National/International SDP/FDP attended :22
International Journal Publications : 48	Project guided for Post Graduate level :21
National Journal Publications : 1	Project guided for Under Graduate level : 45
	Mini Project guided for Under Graduate level: 21
	Ph.d Students Completed under my Guidance : 11

Professional Details

- Since October 1994**Professor and Head, Department** of Computer Science and Engineering, K.S.Rangasamy College of Technology(Autonomous), Tiruchengode, Affiliated to Anna University, Chennai and **Director /CSE from 11.1.2021 to till date.**

- From August 1992 - April 1993 Lecturer in the department of *Computer Science and Engineering*, K.S.R Institute of Technology, Tiruchengode

Pedagogic Details

Degree qualification	Institute/University	Percentage	Year of passing
Ph.D.(Information and Communication)	Anna University, Chennai	**Completed**	**March 2009**
M.E.(Computer Science and Engineering.)	Kongu Engineering College, Perundurai. Bharathiyar University, Coimbatore	74.4%	**Dec 2000**
B.E.(Computer Science and Engineering.)	PeriyarManiammai College of Technology for women, Thanjavur Bharathidasan University	61.2%	May 1992

Computer Proficiency

Technology	Resources
Operating system	Windows NT Server, Windows 7/XP /95/98/2000,DOS,LINUX
Languages	C, C++, JAVA, Dot Net
Scripting Languages	ASP, XML, HTML, JAVA SCRIPT
Network Technology	TCP/IP, LAN, WAN, Distributed System, **INTERNET**
Front End Tool	MS Office 2010
Testing Tool	Win Runner, Load runner, JMeter

Academic Specializations

Research Specialization	Subject specialization
• Software Engineering • Software Testing • Data Mining • Cloud Computing • Wireless network • Image Processing • Data Science	• Artificial Intelligence • Software Engineering • Operating System • Software Testing • Software Quality Management • User Interface and Design • Object Oriented Analysis and Design • Information Storage and Management • Cloud Computing

Membership in Professional Bodies

- Life member - MISTE **(LM27192)**
- Life member - MCSI **L1161412**
- **Member of IEANG**
- **Member of ISRD(F3140900779)**

Major Position Held

- Head of the Department of computer science and Engineering From 1.6.1995 to10.1.2021
- Diretor of the Department of computer science and Engineering from 11.1.2021 onwards

- Involved in the **ACCREDITATION process** of B.E., M.E. CSE by the National Board of Accreditation (NBA-TIER I), NAAC

- **Chairman - Board of Studies** (B.E. CSE and M.E. CSE) at K.S.Rangasamy College Of Technology, Tiruchengode from 1.6.2007 to 10.1.2021

- **Research Supervisor** at Anna University, Chennai from 2009 onwards

- Involved in the **FRAMING OF SYLLABI** for B.E., M.E., Computer Science and Engineering at K.S.Rangasamy College of Technology, Tiruchengode.

- Member of Board of Studies (B.E.CSE and M.E. CSE) at Adthiyaman Engineering College, Hossur

- Involved in an **ISO 9001:2009 CERTIFIED INSTITUTIONS** at K.S.Rangasamy College of Technology.

- Doctoral committee member for Ph.D. research scholars at ANNA UNVERSITY CHENNAI from 2009 onwards

- **Invited as a speaker at BILBAO, SPAIN - QATEST international conference** 25.10.2005

- Acting As An International Conference Chair, Keynote Speaker, Guest Lectures and Visiting faculty

- Invited as a resource person at Bharathiyar university for academic staff training programming

- Attended national and international conferences, faculty development programs, summer and winter school

- **Member- Question paper Setting Committee -** Karunya University, Dr.M.G.R.University, Karpagam University, Sastra University, Kumaraguru College of Technology (Autonomous), Kongu Engineering College (Autonomous), ChandrasekaraVidyala University, Sona college of Technology (Autonomous), Government College of Engineering (Autonomous), Annamalai University.

- Member –Staff Selection Committee and governing body,K.S.Rangasamy College of Technology,Tiruchengode.

- Conducted CONFERENCES, SYMPOSIUMS, **SUMMER AND WINTER SCHOOLS** at K.S.Rangasamy College of Technology, Tiruchengode.

Ph.D. Supervisor Recognition

Name of the University	Recognition Number	Approved Departments
Anna University, Chennai	2640064	Information and Communication Engineering
VIT University, Vellore	1102434	Computer Science and Engineering.

Research scholars details

SRL. NO	Regno.	Name of the Scholar	University	Title of the Thesis	Status
			Number of PhD Scholars		
1.	71060621021	A.Nirmal Kumar	Anna University, Chennai	Improved Software Quality by Effective Design of Testcases with Unit Testing Approach	Completed on 21.12.2015
2.	71030922011	S.Thilagavathi	Anna University, Chennai	Certain Improvements in optimization Algorithm to improve Energy Efficiency in Wireless Sensor Network	Completed to 12.01.2016
3.	71010922006	G.Kalaimani	Anna University, Chennai	Monitoring of Mobile Computing Environment using Efficient Location Monitoring Techniques with Spatial Query Processing	Completed on 02.12.2016
4.	10970621021	R.Gopinath	Anna University, Chennai	Sharing and Retrieval of Multimedia Data form Secured Storage for E-Learning Cloud Based Services	Completed on 10.03.2017
5.	71030622016	V.Kavitha	Anna University, Chennai	Energy Efficient Secure Routing Communication in Wireless Sensor Network	Completed on 2.3.2018
6.	71060631004	P.Arulraj	Anna University, Chennai	Error Concealment for shape in object based video coding	Completed on 2.5.2019
7.	11160632005	K.Chandraprabha	Anna University, Chennai	Resistance and Prevention of DDOS attacks using fair scheduling among multiple flows	Completed on 10.6.2020
8.	71160632040	G.Puspalatha	Anna University, Chennai	Distributed cooperative localization of wireless sensor networks with convex hull constraint	Pursuing
9.	71160632076	P.Vijayalakshmi	Anna University, Chennai	To Politically Adaptive Authorized Routing and Data Rendering QoScheme for Wireless Sensor Network	Completed on 19.1.2018
10.	11260631063	P.Senthilraja	Anna University, Chennai	Detection of Fuel theft in Heavy Vehicle	Completed on 24.1.2020

11.	11230632057	M.Kavitha	Anna University, Chennai	Mining Top – utilityitem set with influence on cross selling attributes form transactional database	Completed on 10.12.2019
12.	11260631062	R.Senthilkumar	Anna University, Chennai	A protocol Based Data Storage Security in Batch audit cloud	Completed on 03.06.2020
13.	11230631012	S.Gokulraj	Anna University, Chennai	Optimal Service pricing for a cloud Environment	Completed on 30.1.2020
14.	19124697229	K.Prakash	Anna University, Chennai	An efficient machine learning algorithm to detect plant diseases using image processing techniques	Registered on 18.7.2019
15.	21144697496	B.Vinothkumar	Anna University, Chennai	Object Recognition in images using deep learning	Registered on 23.09.2021
16.	21244697445	R.Kavishree	Anna University, Chennai	IoT based early breast cancer detection Using machine learning approach	Registered on 23.09.2021
17.	22154697251	RVijaysai	Anna University, Chennai	NextGen health care solutions for rural hospitals and automation of telehealth	Registered on 15.7.2022

Research Project

Sponsored / Research Projects					
S.No	Project	Name of Industry/ Agency	Faculty	Period	Status
1	Development of image Processing Techniques inLichens DST – SERB File No.EMR/214/000711	DST – SERB	Dr.B.G.Geetha	2014-18	Rs.29,71,000 **Completed**
2	Development of user friendly Android Mobile App on identification of Lichens through visual recognition and digitizing methods	DST – SERB	**PI: Dr.P.Ponmurugan Co-PI: Dr. G. Padmasine, Dr. B.G. Geetha Dr. G. Ayyappadasan, Dr. P. Kanmani**	2018-2019	**Rs.37,71,542waiting for result**
3	IoTBASED STREAMING ANALYSIS IN SMART AGRICULTURE USING	AICTE-RPS	Dr.B.G.Geetha	2018-2019	**5,00,000 waiting for result**

DEEP LEARNING TECHNIQUES				

Session Chaired in Conferences

- International **Conference Chair** (ICICT 2010) at M.Kumarasamy College of Engineering, Karur, Tamilnadu.

- **Chaired a session** at the National Level Technical Symposium ― "ASTHRA 10", Department of Information Technology held at K.S.R. College of Engineering, Tiruchengode on 24.02.2010.

- **Conference Chair** In International Conference on Innovations in Communication Information and Computing (ICICIC'13) held at Sasurie College of Engineering, Vijayamangalam on January 9-11, 2013.

- Chaired a session at International conference on Innovative Engineering and Technologies on 5.5.2016 – 6.5.2016 , **Kuala Lumpur, Malaysia**

- Acted as a jury in national conference on "simulation and computing technologies",Government college of Engineering, salem (2017)

- External JURY for AICTE sponsored national conference on Machine Intelligence and Sustainable Computing to face the challenges of post COVID held on 29.10.2021

International Editorial Board / Reviewer – Journals

- **Technical Committee and Reviewer** International Conference on Human Machine Interaction 2015 [ICHMI 2015] ,Kualalumpur, Malaysia between 25th November, 2015 and 27th November, 2015.

- **Expert Reviewer**-CAASR International Conferences-May5-6-Kuala Lumpur-Malaysia-2016

- **Reviewer** for "International Journal of Digital Content Technology and its Applications" (ISSN: 1975 – 9339) 11-06 2014 Korea

- **Reviewer** " International Conference of Computer Science and Engineering ICCSE' 29" March 2014

- **Reviewer** for ICTACT "Journal on Soft Computing (IJSC)", an International Publication published by ICT Academy of Tamil Nadu

- **Reviewer** "India International Journal of Advanced Engineering & Applications"

- **Reviewer** of "IEANG conferences"

- **Reviewer** International Conference of Data Mining and Knowledge Engineering2017

Paper Published in Refereed Journal

International Journal

Geetha, B G, Palanisamy, V, &Duraiswamy, K 2007, 'A Study of Whole Program Analysis Testing and Fragment Analysis Testing', International Journal of Image processing and Network, Vol. 1, no. 1, pp. 8-12.

Geetha, B G &Singaravel, G 2008 , 'Assessment and people risk management in software project', International journal of computer science and applications, Vol.1, no. 2.

Geetha, B G &Palanisamy, V 2008 , 'Data flow testing of inheritance property in java software', International journal of soft computing , Vol.3, no.1, pp. 44-49.

Geetha, B G, Palanisamy, V , Duraiswamy, K &Singaravel, G 2008 , 'A Tool For Testing Of Inheritance Related Bugs In Object Oriented Software', Journal of Computer science, Science Publishers, Vol. 4, no.1, pp. 59-65.

Geetha, B G, Kamalraj R &Shymala Devi, V 2009 , 'Checking Reusability Of packages using software integration testing', International journal of recent trends in engineering integration joint journal conference in engineering.

Geetha, B G, RoshniRajkumari 2010 , 'Automatic Test Data Generation using Genetic Algorithm and Program Dependence Graph', Journal of Computer Applications , Vol. 3, no. 4.

Nirmal Kumar, A, GEETHA, B G 2013 , 'Improving the Software Quality by designing an effective test cases with an unit testing', Published in IJAIR, vol. 10, no. 7s, pp. 607-610, ISSN: 1097-8135.(A-I)

Nirmalkumar, A &Geetha, B G 2012, 'Achieving software engineering knowledge items with an unit testing approach', International Journal of Soft Computing and Engineering, vol. 2, no. 1, pp. 474-479. .(A-I)

GEETHA, B G &Arun Paul, J 2013, 'Context disambiguation based on dynamic Bayesian networks for context-aware environment in pervasive computing', Published in IJAIR, Vol. 2, no. 4, ISSN: 2278-7844.

Nirmalkumar, A &Geetha, B G 2013, 'A systematic overview of automated software testing tools', International Journal of Pure and Applied Research in Engineering and Technology , vol. 2, no. 5, pp. 81-91. .(A-I)

GEETHA, B G &Nithya, D 2013, 'Optimized Traveling Salesman problem Using Estimation Maximization Technique', Published in IJAIR, Vol. 2, no. 2, ISSN: 2278-7844.

Gopinath, R &Geetha, B G 2013, 'An E-learning System Based on Secure Data Storage Services in Cloud Computing', International Journal of Information Technology and Web Engineering (IJITWE), Vol. 8,no. 2, pp. 1-17. .(A-I)

GEETHA, B G 2013, 'Automatic Reconfiguration for Large-Scale trustworthy Storage Systems', Published in IJAIR, Vol. 2, no. 4, ISSN: 2278-7844.

GEETHA, B G &Govindaraj,M 2014, 'Retrieve the cloud data in efficient way using query services', Journal of international academic research for multidisciplinary, ISSN: 2320-5083.
Nirmal Kumar, A&GEETHA, B G 2014, 'A Systematic Study of Test Case Design in Software Testing', International Journal of Advanced and Innovative Research, Vol.3, no. 4, ISSN: 2278-7844.

Nirmalkumar, A**&Geetha, B G 2014, 'Improving the software quality by designing an effecting test cases in health care software', Information –An International Interdisciplinary Journal, vol. 17, no. 2, pp. 471-476.** (Annexure – I Version 2014.1, Scopus Indexed) **.(A-I)**

Nirmalkumar, A**&Geetha, B G 2014, 'The role of software testing in software engineering: a systematic survey", International Journal of Pure and Applied Research in Engineering and Technology, vol. 2, no. 6, pp. 93-97.**

Nirmalkumar, A**&Geetha, B G 2014, 'The selection of best software testing technique', International Journal of Pure and Applied Research in Engineering and Technology, vol. 2, no. 7, pp.53-61.**

Nirmalkumar, A**&Geetha, BG 2014, 'Working with IBM Rational Functional Tester: A Software Testing Tool', Journal of Academia and Industrial Research, vol. 2, no. 12, pp. 669-674.**

GOPINATH, R &GEETHA, B G 2014, 'Dynamic Block Level Error Recovery to Trust Multimedia Data for E-Learning Cloud Based Storage Services', Journal of International Applied Sciences Engineering and Technology ISSN: 2040 – 7459. .(A-I)

GEETHA, B G, Gokul, K, Nikhila&Buvaneswari 2014, 'Cloud Based Anti Vehicle Theft by Using Number PlateRecognition', International Journal of engineering Research and General Science, Vol. 2, no. 2.

Poornima, N V &ChandraPrabha KGEETHA, B G, 2014 , 'Adaptive Discrimination Detection for DDoS Attacks form Flash Crowds Using Flow Correlation Coefficient with Collective', Internation Journal of Computer Engineering, Vol. 16, no. 1, ISSN:2278-8727.

Vijayalakshmi, P &Geetha, B G 2014, ' Cluster Qos Framework Based On Time Control And Synchronized Access Scheduling Mechanism In Wireless Sensor Network', Australian Journal of Basic and Applied Science , AENSI Publisher,Vol. 8, no. 1, pp. 76-84. (Annexure II).

Kalaimani, G &GEETHA B G2015, 'Efficient Caching Techniques for Spatial Query Processing in Mobile Computing Environment', International Journal of Applied Engineering Research, Vol. 10, no. 2, ISSN: 0973 – 4562. .(A-I)

GEETHA, B G &Vinoth, R 2015, 'Lifelong personal health data and application software Via virtual machines in the Cloud', IJAIR, Vol. 4, no. 2.

GEETHA, B G, TamilIniyan, S, Raguram, T J &Santhiya, S 2015, 'Virtualization of Applications and Automation of Services in Cloud Environment', International Journal of Advanced and Innovative Research(IJAIR), Vol. 4, no. 03, ISSN: 2278-7844.

BhavaniGnanasambandanGeetha&ShanmugasundaramThilagavathi 2015, 'Energy Aware Swarm Optimization with Intercluster Search for Wireless Sensor Network', The Scientific World Journal, vol. 2015, Article ID: 395256, pages:8, doi:10.1155/2015/395256. .(A-I)

Kumar, A N &Geetha, B G 2015, 'Optimization of Test Case Design in Rational Quality
Manager–A Software Testing Tool', Journal of Scientific & Industrial Research,Vol. 74, no. 7, pp. 387-389.

Vijayalakshmi, P &Geetha, B G 2015, 'Performance Analysis of Qos Based Routing and Data Transmission in Wireless Sensor Networks', International Journal of Mathematical Sciences and Engineering (IJMSE), Vol. 4, no. 1, pp. 14-21, ISSN: 2278 – 1447. .(A-I)

Nirmalkumar, A**&Geetha, BG 2016, 'White box testing technique for SOA application', International Journal of Advanced Engineering Technology, vol. 7, no. 1, pp. 707-709.**
Dr Kumar A. Nirmal&Geetha, B G 2016, 'A Systematic Review on Impact and Role of Social Network Softwares in the Society Development', Asian Journal of Research in Social Sciences and Humanities, Vol. 6, no. 5, pp. 540-545, Online ISSN : 2249-7315.

Kalaimani, G &Geetha, B G 2016, 'Object Movement Prediction Techique for Cluster Based Location Monitoring Technique in Mobile Computing Environment', Asian Journal of Information Technology,vol.15,no.8,pp.1349-1358, ISSN : 1682-3915 (Print), 1993-5994 (Online) (Annexure I). IF-0.35. .(A-I)

Vijayalakshmi, P &Geetha, B G 2016, 'A Misdirected Route Avoidance Using Topological Transform Adaptive Relational QoS Routing in Wireless Sensor Network', Asian Journal of Information Technology,vol.15,no.17,pp.3398-3406, ISSN : 1682-3915 (Print), 1993-5994 (Online) (Annexure I). IF-0.35. .(A-I)

Kavitha, V &Dr Geetha, B G 2016, 'Review on High Utility Itemset Mining Algorithms', Asian Journal of Research in Social Sciences and Humanities, Vol. 6, no. 5, pp. 123-133, Online ISSN : 2249-7315

Kavitha, V &Dr Geetha, B G 2016, 'HIGH UTILITY ITEMSET MINING WITH INFLUENTIAL CROSS SELLING ITEMS FROM TRANSACTIONAL DATABASE', International Journal of Advanced Engineering Technology,Vol. VII, no.II,pp. 820-826,E-ISSN: 0976-3945. .(A-I)

Arulraj P.Dr Geetha, B G 2016, "REGION GROWING CoMBAINED WITHCOLOUR BASED SHADOWDETECTION   AND REMOVEL FROM REMOTE SENSING IMAGES" International Journal of Advanced Engineering Technology, Vol. VII,ISSUE II, E ISSN 0976-3945

K.P.Ragavi&Dr Geetha, B G2017   "WINDOW ON WEBSITE TO TREDITIONAL FOOD RECIEPES FOR COMMERCIAL DEVELOPMENT" ,International Journal of science and Innovative Engineering and Technology, vol -5 ,ISBN 978-904

P.SENTHILRAJA, B.G.GEETHA 2017, "Avoiding Fuel Theft in Multifleet Vehicles Using Vehicular Adhoc Network", Cluster Computing-The Journal of Networks Software Tools and Applications, Springer, Print ISSN- 1386-7857, E-ISSN- 1573-7543 .(A-I)

K Chandraprabha, BG Geetha 2018 "Wireless network confidence level improvement via fusion adaptive resonance theory", International Journal Cluster Computing, Pages 1-11. .(A-I)

R.Senthil Kumar, B.G.Geetha 2018,   "Signature Vertification and Bloom Hashing Technique for Efficient Cloud Data Storage" in International Journal on Wireless Personal Communications, ISSN: 0929-6212. .(A-I)

B.G.Geetha,K.P.Ragavi 2018, "Decision Support System Involving Traditional Food Recipes Based on Machine Learning"Journal of Science Engineering and Technology Volume 5, ISSN :2349-6657 No 01,March 2018.

42.B.G.Geetha,R.Supprabha, N.Suriya Narayanan, C.Vinoba 2019,"Smart Bin Management System Using Internet of Things", International Research Journal of Engineering and Technology,Volume 6, ISSN :2395-0056, Impact Factor Value 7.211,Pp 6674

43. Dr.B.G.Geetha, N.Abinaya, M.AbiramiSivasakthi, T.Aishwarya   2019, "The Comparative Analysis of Road Accident Data using Data Mining Techniques",International Journal of Advance Research in Science and Engineering, Volume 8, ISSN: 2319-8354, PP 66

44.Dr.B.G.GEETHA, M.S.Kavya, J.M.Gokulraaja 2019, "Android application development for textile industry", Bonfring International Journal of Software Engineering and Soft Computing, Volume 9 No 1, ISSN: 2395-0056, ISSN 2277-5099,

DOI:10.9756/BIJSESC.9006, Page 11.

45.Geetha B G, Sasikumar D 2020,"Protection System For Humans and Animals From Electric Fence Using Iot and Cloud", International Journal of Innovative Research In Computer And Communication Engineering, Volume 8 No 3, Issn: 23209801, Doi:10.15680/Ijircce.2020. 080303443891

46. Geetha B G, Varshini R 2020,"Preserve Cloud Data Using Multi-Keyword Ranked Search over Encrypted Technique", International Journal of Innovative Research In Computer and Communication Engineering, Volume 8 No 3, Issn: 23209801, Doi:10.15680/Ijircce.2020. 0803033 43891

47.Geetha B G , Navaneethan m (2021) Testing And Quality Validation For Ai Software– Perspectives, Issues, And Practices, International Journal for Science and Advance Research in Technology, ISSN [ONLINE]: 2395-1052, Volume 7 Issue 4

National Journal

1. **GeethaB.G.,andSingaravel G.,** (2008), Overview Analysis of Organizational and Professional risk Management for Software Security Projects, Journal of Computer Applications, Vol.1.No.2. pp.59-62.

Paper Published in Conferences

International Conference:

1. **Dr.B.G.Geetha**, Palanisamy V. and Duraiswamy K. (2005), 'Software Fragment Analysis', QA and TEST'05, **Bilbao, Spain**, pp. 187-192.
2. **B.G.Geetha** "An automated tool for polymorphic analysis in java" International Conference on Computer, Electrical and Systems Science and Engineering CESSE 2007, pp.406-410 May 25-27, 2007
3. **Geetha B.G.,**Palanisamy V. and Duraiswamy K. (2007), 'An Automated Tool for Polymorphic Analysis in Java', Proceedings of WASET, **Vienna,** Austria, pp. 406-410.
4. **GeethaB.G.,**"Extended visual cryptography using complementary share participant verification (POS33)" in international conference on advances in computing (ICAC2008) held on 21-22 February 2008.
5. **GeethaB.G.,**"Group key updation using interval based algorithms" in international conference on advances in computing (ICAC2008) held on 21-22 February 2008.
6. **B.G.Geetha "**Reducing efforts on software project management using software package Reusability Advance computing" March 6-7 2009
7. **Dr.Geetha B.G., Singaravel G**. and Kamal Raj R.(2009) "Reducing Effort on Software Project Management using software package reusability" Proceeding of IEEE – International Advanced Computing Conference, Patiala. .
8. **RoshniRajkumariDr.B.G.Geetha,**, "Automated Test Data Generation and Optimization Scheme Using Genetic Algorithm" 2011 International Conference on Software and Computer Applications IPCSIT Vol.9 (2011) @ (2011) IACSIT Press. Singapore.
9. **Dr.B.G.Geetha, C.Boobalan,** "Test prioritization strategies for event-Driven software" International conference by "Emerging trends in computer and communication technologies"16th&17th of Feb 2012.

10. **Dr.B.G.Geetha,J.Arun Paul**, "Counteract Disambiguation based on Dynamic Bayesian Networks for Context-Aware Environment in Pervasive Computing", Second International Conference, EMICS 2013,Maria College of Engineering and Technology,K.K Dist,15th&16th Feb 2013.

11. **Dr.B.G.Geetha, N.V.Poornima,** K.CHANDRAPRABHA, "Adaptive discriminating detection for DDOS attacks from flash crowds using flow correlation coefficient with collective feedback", International conference on global innovation in computing technology ICGICT'14.Jaisriram group of institution.6th and 7th of march 2014.

12. **Dr.B.G.Geetha, N.V.Poornima**, K.CHANDRAPRABHA, "Adaptive discriminating detection for DDOS attacks from flash crowds using flow correlation coefficient with collective feedback", International conference on global innovation in computing technology ICGICT'14.Jaisriram group of institution.6th and 7th of march 2014.

13. **B.G.Geetha, M.Govindaraj,**" Secure Ranked Multikeyword Search Over Encrypted Cloud Data Using Svm",Vels University, International Research Conference On Advances in computer science and information technology ISBN:978-81-924031-3-7.

14. **Dr.B.G.Geetha, R.Dinesh**, "A novel data reporting protocol for wireless sensor Networks", International conference on trends in technology and engineering ICTTE'14 Arjun College of Engineering,Coimbatore held on 4[th]april 2014.

15. **Dr.B.G.GeethaR.Praveen,** S.Priyatharsini, M.Selvi, N.D SukirthaPriya "Detection of Fuel Theft and Heavy Vehicle Position Using Auditing Software" International Conference on Computational Muthyammal College of Engineering Rasipuram (ICETS'15) 5th and 6th March 2015.

16. **B.G.Geetha, N.Sangeetha, N.Selvaganapathi, V.Thirumoorthi,"**Online Multibanking System", International Academic Conference on Engineering and Technology, IIARD, Institute for Research and Development and Publication ,Coimbatore 18th February 2016.

17. **P.KeerthanaDr.B.G.Geetha**, "Crustose Using Shape Features and Color Histogram with K.Nearest neighbor Classifier" International Conference on Electrical, Electronics & Computer Engineering (ICEECE '17) 08th and 09th March 2017.

18. **Dr.B.G.Geetha, N.Abinaya, M. AbiramiSivasakthi 2019, "The Comparative Analysis of Road Accident Data Using Data Mining Techniques",**Second International Conference on Nexgen Technologies, Sengunthar Engineering College, ISBN: 9789387793750, Page 1, 8th& 9th March 2019.

19. **B. G.Geetha "**Churn Prediction and factor identification in Telecom Sector Using Machine Learning Techniques" National Conference Internet of things, Artificial Intelligence & 3D Printing Vivekanandha College of Engineering for Women (Autonomous), Tiruchengode, Namakkal 21-02-2020 to 22-2-2020.

National Conference presentation/Participation

1. **B.G.Geetha**(**2002**)Participated in seminar "Current Trends in Communication Network" sponsored by university grants commission held on 10th and 11th June.
2. **B.G.Geetha**Participated in the seminar on "Software Testing" Sponsored by AICTE in Kongu Engineering College at Perundurai on 19/05/2006 to 20/05/2006
3. **B.G Geetha** ,(**2007**) National Conference on, "A tool for Testing Inheritance Related Bugs in Object Oriented Software" Emerging technologies.,
4. **B.G.Geetha**(**2007**)"Regional conference on Autonomous Technical Institutions" Indian Society for Technical education Tamilnadu and Pondicherry section 27 & 28 July 2007

5. **B.G.Geetha** and Rajakumar S. (**2007**), 'A tool for testing of inheritance related bugs in object oriented software', Proceedings of M.Kumarasamy College of Engineering National conference (MKCE CONFLUENCE'07) at M.Kumarasamy College of Engineering, Karur, pp. 1-5.

6. **B.G.Geetha** (**2007**), "Web document content extraction using redundant data elimination techniques", National conference Extreme engineering and technological advancements".

7. **B.G.Geetha. And Kalaiselvi M.** (**2008**), 'Systematic methodology to effectively test the web application using agents', Proceedings of M.Kumarasamy College of Engineering National conference (MKCE CONFLUENCE'08) at M.Kumarasamy College of Engineering ,Karur, pp. 7-16.

8. **B.G.Geetha, And Kamalraj R.** (**2009**) "Checking Reusability of Packages using Software Integration Testing" Proceeding of National Conference on Computing, Communication and Information Systems NCCCIS-2009 at Sri Krishna College of Engineering and Technology, Sugunapuram, Coimbatore-641008.

9. **B.G.Geetha, Kanmani P.** and**MohideenBadhusha S**. (2010), 'Transformation of Students' Projects into a Comprehensive Research Work' Proceeding of National Conference on Emerging Trends in engineering education – Indian Perspective at K.S.Rangasamy College of Technology, Tiruchengode- 637 215.

10. **B.G.Geetha, S.Vivek, S.Manikandan, V.Vignesh, (2013)** "Proficient And Precise Of Motif In Dataset And Compressing The Data For Transmission Process", National Conference On Innovations In Computer Information And Communication, Easa College Of Engineering And Technology Coimbatore.

11. **Dr.B.G.Geetha(2013)** Presented a paper titled "performance analysis of QOS based routing and data transmission in wireless sensor network" in the international conference "ICACT-2013" held on 8th and 9th March 2013 at J.K.K.Nattraja College of Engineering and Technology, Tamil Nadu, India.

12. **Dr.B.G.Geetha, M.Govindaraj**(**2013**),"Retrieve the cloud data in efficient way using query services", National Conference on Emerging Trends in Advanced Computing and Communication Government College of Engineering, Bargur,

13. **Dr.B.G.Geetha,"**Simulation and Computing Technologies" conducted by Government College of Engineering Salem-636 011**. On 15.2.17**

14. **Dr.B.G.Geetha,"**Crustose using Shape Features and Color Histogram with K-Nearest Neighbor Classifier"conducted by Vivekananda College of Women, Elayampalayam, Tiruchengode on 08.03.17 to 09.03.17

Books Published

1. **'Computer Science - A Structured Programming Approach Using C'**,Behrouz A. Forouzan - De Anza College, Richard F. Gilberg - De Anza College, M.S., National University B.G. Geetha - K.S.R. College of Technology, Tiruchengode**G. Singaravel** - K.S.R. College of Engineering, Tiruchengode ISBN-13: 9788131516034 780 Pages, Imprint :Course Technology ©2012,Cengage Learning.[Text book for Anna University of Technology, Coimbatore – common syllabus for all branches of Engineering and Technology].**2012**

2. '**Introduction to Software Testing'**, N SatheeshKumar,SSubashni DELL Services **,** B.G. Geetha - K.S.Rangasamy College of Technology, Tiruchengode**G. Singaravel** - K.S.R. College of Engineering, Tiruchengode.ISBN: 81-903041-0-0,Umayam Publication, **2013**

3. **Software Engineering 1/e**Chandramouli Subramanian, Senior Delivery Manager, MEPZ, Chennai.SaikatDutt,Associate Director, CTS, Kolkatta. **Dr.B.G.Geetha,**Professor/CSE,KSRCT. Pearson Education Chennai ISBN:978-9332537293. **2015**

Patent Received

Dr.B.G.Geetha Dr.P.Kanmani	SYSTEM TO FACILITATE VISUALLY IMPAIRED PERSON TO IDENTIFY PERSON PRESENT IN SURROUNDING	13/12/2019 & 05/12/2019	201941050087A20 1941050087A
Dr.B.G.GEETHA	Node discovery mechanism for IoT capillary Networks	Eight years from 24 August 2021	202110705

Workshop/SDP/FDP/Training Programme Attended

1. **Participated** in the short courses on "**Instructional design and deliverysystems"** conducted in technical teacher training institute from 12th to 14 august 2002.
2. **Dr.B.G.Geetha,** attended a SDP/FDP on, **"Instructional Design and Delivery Systems"** at Technical Teachers' Training Institute, Chennai, during 12.08.2002 -14.08.2002.
3. **Attended Workshop** on Teaching Technology and Counseling skill held at Abirami Academy on 14th and 15th September 2002.
4. **Attended oneday seminar on** "**Software Testing**" at Sona College of Technology on 18th November 2002.
5. **Participated** in the AICTE-ISTE sponsored short term training programme on "**software engineering using CASE Tools"** conducted by the department of computer science and engineering, Kumaraguru College of Technology, from 3rd to 8th November 2003.
6. **Dr.B.G.Geetha**attended a SDP/FDP on, **"Software Engineering using Case Tools**" at Kumaraguru College of Technology, Coimbatore during 03.11.2003 -08.11.2003
7. **Participated** in the one day workshop on "**Software Testing**" held at Karpagam College of Engineering on 4th February 2006.
8. **Dr.B.G.Geetha** attended a FDP on, **"Software Development Methodology and Current area of Computer Science**" at Infosys Campus, Chennai, on 11.06.2006 - 23.06.2006
9. **Participated** in the "**Convergence of computer and information Engineering (NCCCIE'06)**", sixth National Conference conducted at PSG College of Technology, Coimbatore – 641004.
10. **Participated** in the "**One Day National Workshop on Software Testing"** held at KSR College of Arts and Science, Tiruchengode on 9th September 2006.
11. **participated** in the regional conference on "**Autonomous technical institutions**" held during 27th and 28thjuly 2007, organized by the Tamil Nadu and Pondicherry section of the Indian society for Technical Education, New Delhi, India

12. **Attended** and successfully completed the course in Communication English held from 6th to 27th November 2008 conducted by COL'S CALIBRE.
13. **Dr.B.G.Geetha** attended a SDP/FDP on, "**Information Storage and Management**", at EMC Data Storage System P. Ltd., on 10.04.2009
14. **GeethaB.G** Participated in a one day seminar on "**IT Awareness Enhancement Program**" on 02nd August 2011, at K.S.Rangasamy College of Technology, Tiruchengode, Tamilnadu.

15. Participated in three day workshop on "**Training of Evaluators/Resource persons on outcome based Accreditation" organized by national board of accreditation(NBA)**, New Delhi at NBA Nodal centre, Bannari Amman Institute of Technology, Sathyamangalam during 9th – 11th of May 2013.

16. **Participated** in the one day National Level workshop on "Bigdata and Cloud Computing" at Shree Venkateshwara Hi-Tech Engineering College, Gobi on 17th August 2013.

17. **Attended** FDP on "Outcome Based Education" by KSRCT (17.10.2014 to 18.10.2014)

18. **Attended** training on "ICT on Engineering education " by IIT,Bombay (05.01.2015 to 21.01.2015)

19. **Participated** in one day workshop on "Writing Research Papers, Predatory Journals, Copyright, Palgiarism, Citation Analysis and Impact Factor" organized by K.S.Rangasamy college of Technology. On 19.11.2016

20. **Participated** in the BRIDGE-2017-CHENNAI, Sponsored by ICT academy at ICT Grand Chola, Chennai on 01.03.2017.
21. **Attended NITTTR-kolkata,**short term training program through ICT mode on "NBA Accreditation" from 22.4.2019 to 26.4.2019
22. **AICTE-ATAL** programme attended from 6.1.2020 to 10.1.2020 at NIT,karaikal
23. **AICTE—STTP on n from 15.2.2021 to 20.2.2021**
24. **Attended Statewise webinar on National Education Policy on 16.11.2021**
25. **Attended** Inculcating Universal Human Values in Technical Education" organized by AICTE 8.11.2021 to 12.11.2021
26. Attended FDP on "Practical Aspects of ICT tools and Online Teaching in current scenario" organized by Research foundation of india from 19.8.2022 to 25.8.2022

Conferences/Symposia/Workshops/Seminars/FDP'S Organized

1. **Coordinator for the National Level Technical Symposium** "MACROFEST" for Department of Computer Science and Engineering at K.S.Rangasamy College of Technology, Tiruchengode from 2003 to 2014.

2. **Conference Secretary on** 'Emerging trends In Computer Science and Engineering' K.S.Rangasamy College of Technology National conference (ETICSE:2007- 2014).

3. **Convenor** on "Oneday national level seminar on Software project management" organized by department of computer science and engineering and ICTACT of Tamilnadu.(24.12.2012)

4. **Convenor** for the "Oneday workshop on PHP-Rejuvenate in server side technology" organized by department of computer science and engineering on 17.07.2013

5. **Coordinator** for the "Health awareness programmme for women through women empowerment cell" by Dr.R.GEETHA,B.S.M.S on 19.04.2014.

6. **Organaized** one day programme on "Project/Funding avenues in DRDO and cutting edge technologies in defense sector" by Dr.S.Krishnakumar, Senior Technical Officer, DRDO,Avadi, Chennai on 06.03.2015

7. **AICTE-ISTE** one week programme on "Induction programme/refresher programme on Bigdata analytics and machine learning",3.6.2018 to 9.6.2018

8. **AICTE-ATAL** programme on "Quantum Computing" from 4.1.2021 to 8.1.2021

9. **Organized Oneday seminar on Transformative Reforms under National Education Policy 2020 on 11.9.2021**

10. **Organized One day seminar on women welfare on 08.11.2021**

11. **Organized Oneday workshop on Machine Learning Techniques on 08.10.2022**

12. **Organized Oneday webniar on IoT for Industry 4.0 on 14.10.2022**

Resource person/Guest lecturer delivered

1. Lecture delivered in AICTE sponsored program on "computational intelligence in software engineering" at M.Kumarasamycollege of engineering (06.06.2010).

2. Delivered lecture on 'Software Testing", Refresher Course, faculty of Information and Communication Engineering at UGC Academic Staff College, Bharathiyar University, Coimbatore held on 29.11.2012.

3. Lecture delivered in AICTE sponsored FDP on "Software engineering and Software Agents" at Er.PerumalManimekalaiCollege of Engineering (06.06.2013).

4. **Lecture delivered in** FDTP on "internet programming" in Mahindra engineering College for Women From12.06.2017 to 18.06.2017 by AICTE

5. **Lecture delivered** FDP on "ECONOMIC DEVELOPMENT THROUGH DIGITAL TRANSFORMATION" sponsored by AICTE organized by K.S.R School of Management at K.S.Rangasamy college of Technology. during 11.09.2017 to 14.09.2017

Award & Recognitions

- Invited as a speaker at **QATEST** international conference, **BILBAO, SPAIN**, October 2005

- **Best International Journal Paper** award for "A Tool for Testing Inheritance Related Bugs in Object oriented Software" in Directory of open access journal, SPARC EUROPE AWARD 2009

- Cluster and Grid Computing - 100 % Results, Oct/Nov, 2012, KSRCT(Autonomous)
- Cloud Computing – 100 % Results, KSRCT(Autonomous),May 2013
- Software Testing – 100 % Results, KSRCT(Autonomous), May 2014
- Cluster and Grid Computing -100 % Results, KSRCT(Autonomous), Oct/Nov 2014.
- Software Testing andTools - 100 % Results, KSRCT(Autonomous), NOV 2015.
- **Keynotes speaker and session chair** at CAASR International Conference on Advanced
- Theoretical Computer Applications (ICATCA'16), 5th -6th May 2016 in **Kuala Lumpur**, Malaysia.
- **Best support award for** International Conference on Advanced Theoretical computer Applications (ICATCA'16),organized by CAASR Publishers held at Kuala Lumpur , Malaysia on 5th& 6th May 2016.
- Lifetime Achievement Award for Woman in Higher Education received on 01.05.2021 from GISR FOUNDATION

Personal Details		

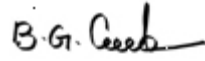|		
Gender	:	Female
Date of Birth	:	17th May 1971
Husband Name	:	**S.BALASUBRAMANIAN**
Marital Status	:	Married
Nationality	:	Indian
Permanent Address	:	M-244, Koottappalli Colony Koottappalli (PO) Tiruchengode-637 214 Namakkal District, Tamilnadu Mobile: **9894688866**
Languages	:	Proficiency in Indian languages: 1. English 2. Tamil 3. Kannada (Able to understand)

References		

Dr. K.Duraiswamy, Dean (Academic), K.S.Rangasamy.College of   Technology, Tiruchencode

I assure that Information all above is true to my best of knowledge.

Place: Tiruchengode

Date: 18.10.2022

[Dr. B.G. GEETHA]