

## **G C SATHISH**

**Senior Associate Professor,  
Department of Computer Science and Engineering,  
Reva Institute of Technology and Management, Bangalore  
9449343694, [sathish\\_gc@revainstitution.org](mailto:sathish_gc@revainstitution.org) ; [sathishgc@yahoo.com](mailto:sathishgc@yahoo.com)**

**Qualification:** BE (CSE), MS (Software Systems)

**Academic Experience:** 18 years of Teaching in Engineering Colleges in Karnataka

**Industrial Experience:** 01 year of Hardware Engineer Experience at Digital India and Modi Olivetti

**Consultancy:** 6 months Project (2.5 Lakhs) on Life Cycle Cost Estimation of Defense Equipments at CASSA, Bangalore.

**Guided PG projects:** 20 projects in the area of Computer Science and Engineering

**Current Research**

**Interests:** Research Issues in Cloud Computing

**Colleges Worked:** SIT, Tumkur (04 years); MSRIT, Bangalore(06 years); SCE, Bangalore(02 years) and REVA I T M, Bangalore(06 years till date)

**Other Assignments:** BOE –Member MSRIT, Bangalore.  
BITS Pilani Visiting Professor for MS Programme at Bangalore  
Resource person for EDUSAT Programme for Software Testing and Database Management System

## BIO-DATA

<b>NAME</b>	G C SATHISH
<b>DATE OF BIRTH</b>	18 <sup>th</sup> October 1971
<b>AGE</b>	39
<b>SEX</b>	MALE
<b>MARITAL STATUS</b>	MARRIED
<b>RESIDENTIAL ADDRESS</b>	#13B1, 2 <sup>nd</sup> Cross, Sonnegowda layout Kodigehalli Bangalore-560 092 Karnataka, India
<b>OFFICE ADDRESS</b>	Reva Intitute of Technology & Management Kattigenahalli, Jala Hobli ,Baglur Cross, Yelahanka, Bangalore-5600 64 Karnataka, India
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## TEACHING

TYPE	SUBJECTS TAUGHT	EXAM /EVALUATION	SYLLABUS SCOPE DEFINITION	NOTES / LAB MANUAL PREPARATION
<b>UNDER GRADUATE BE</b>	Data Structures using C, Logic Design, Microprocessors, Object oriented - Programming using C++, Computer Organization, Computer Architecture, Design and Analysis of Algorithms, Operating Systems, Object Oriented System Development, Database Management System, Operation research, Computer Networks, Software Engineering, Computing Profession & Society, Artificial Intelligence, Programming Languages Compiler Design, System Software Multimedia Computing, Software Testing & Practice Advanced Computer Architecture Network Security	Bangalore University,  VTU, Belgaum  MSRIT BOE member  SIT and RVCE examiner  MAHE, Manipal	MSRIT, Bangalore   BMSCE, Bangalore    Gogte Institute of Technology, Belgaum	Logic Design Microprocessor System Software Compiler Design Operation research, Computer Organization, Operating system, Artificial Intelligence, Object oriented System Development Database Management System Database Lab Microprocessors Lab System Software Lab
<b>POST GRADUATE M Tech/M E</b>	Object Technology & Application, Relational Database Management Systems, Neural Networks, Client Server Programming	VTU	MSRIT, Bangalore  NITTE, Nitte	Neural networks, Object Technology & Application
<b>MCA</b>	Operating System, Database Systems, Information Systems, Artificial Intelligence	Bangalore University, VTU	-----	Information Systems, Artificial Intelligence
<b>MBA</b>	Management Systems, Database Applications, Computer Networks	Bangalore University, VTU	JNNC, Shimoga	Database

## INDUSTRIAL EXPOSURE

TITLE	COMPANY REPRESENTING	COMPANIES VISITED	NATURE OF JOB	SKILLS ACQUIRED
<b>GRADUATE TRAINEE ENGINEER</b>	Digital India Ltd., Bangalore	Hindusthan Motors, Hindusthan Power Plus, ---- Hosur  Wipro, Widia, BPL, Brooke Fields, Canara Bank, SBI NAL, ADA, ADE ---- Bangalore  Bharath Electronics,  I T I ---- Bangalore  ISRO, Bangalore  Taj Residency, Bangalore  Digital Park, peenya  Titan, Hosur	Preventive Maintenance,  Identification of hardware Bugs and Replacement of Hardware units for Digital DEC series and MicroVAX series of machines  Servicing of Lipi Line printers  Installation of Micro VAX computer  Support to PDP 11 system  Acceptance Testing of Alpha workstations  VSAT installation  Residential Engineer  Optical Fiber networking	Exposure to Digital DEC series, Micro VAX series, PDP 11 machines, Alpha workstations  Exposure to VMS and DEC OSF operating systems  Servicing of LIPI Line printers and terminals  Preventive Maintenance through software  Product Repair  Logistics Maintenance  Isolation of bugs in hardware units  VSAT installation  Usage of Optical Fiber Installation kit
<b>EXECUTIVE SALES &amp; SERVICE</b>	Fair Growth Agencies (Modi Olivetti Dealers), Bangalore	Hutti Gold Mines, Hutti, Raichur  Deccan Herald  Stock Brokers Agencies  Travel Agency  Ashoka Garments  Industries at Rajajinagar Industrial Area	Residential Engineer Servicing of HCL systems, Maintenance of LAN  Marketing of Systems	Servicing of PC, Marketing of Systems

## PROJECTS GUIDED / UNDERTAKEN

TITLE	CARRIED AT	FOR	DURATION	RESPONSIBILITY
<b>*Parameter Selection &amp; Modification Switch for LCA (Light Combat Aircraft)</b>	R&D IX, Bharath Electronics, Bangalore	Award of BE	6 months	Design of algorithm, implementation using assembly language, testing using micro controller & optical encoder
<b>*Assembler for 87C51 micro controller</b>	Siddaganga Institute of Technology, Tumkur	Award of BE	4 months	Design and implementation using C
<b>*Heterogeneous Database Access &amp; Analysis</b>	Siddaganga Institute of Technology, Tumkur	Award of MS	6 months	Design and implementation using Visual C++ and ORACLE, ACCESS, FOXPRO
<b>*Geographical Information System</b>	Siddaganga Institute of Technology, Tumkur	Award of MS	1 month	Design and implementation using ORACLE and ORACLE Power Objects
<b>MP3 Player</b>	MSRIT Bangalore	Award of M Tech for students	8 months	Guidance in design, testing, report writing
<b>Common Database Interface</b>	MSRIT Bangalore	Award of M Tech for students	8 months	Guidance in design, testing, report writing
<b>Embedded Mail Messaging</b>	MSRIT Bangalore	Award of M Tech for students	8 months	Guidance in design, testing, report writing
<b>Link Aggregation Control Protocol</b>	MSRIT Bangalore	Award of M Tech for students	8 months	Guidance in design, testing, report writing
<b>Route Optimization using GIS Techniques</b>	ESRI India Bangalore	Award of BE for students	4 months	Guidance in design, testing, report writing
<b>Wireless TCP</b>	IISc Bangalore	Award of BE for students	4 months	Guidance in design, testing, report writing
<b>Improving QOS in real time transmission of data</b>	IISc Bangalore	Award of BE for students	4 months	Guidance in design, testing, report writing
<b>Coastal Surveillance System</b>	Bharath Electronics	Award of BE for students	4 months	Guidance in design, testing, report writing
<b>High Performance Computational Methods</b>	IISc Bangalore	Award of BE for students	4 months	Guidance in design, testing, report writing

\* Projects undertaken by me

## PROJECTS GUIDED / UNDERTAKEN

TITLE	CARRIED AT	FOR	DURATION	RESPONSIBILITY
<b>Implementation of Standard 802.16 IEEE for local and metropolitan area networks</b>	MSRIT Bangalore	Award of BE for students	4 months	Guidance in design, testing, report writing
<b>Code Review Tool</b>	Kshema Technologies	Award of BE for students	4 months	Guidance in design, testing, report writing
<b>Issue Manager</b>	MSRIT Bangalore	Award of BE for students	4 months	Guidance in design, testing, report writing
<b>DVD Player</b>	Tata Elaxsi Bangalore	Award of BE for students	4 months	Guidance in design, testing, report writing
<b>Character Recognition System</b>	IISc Bangalore	Award of BE for students	4 months	Guidance in design, testing, report writing
<b>Framework for Networks</b>	HP Labs Bangalore	Award of BE for students	4 months	Guidance in design, testing, report writing
<b>Digital Watermarking-Embedding &amp; Extraction</b>	SCE, Bangalore	Award of BE for students	4 months	Guidance in design, testing, report writing
<b>Nirvigna- Rendring Tool using CLusters</b>	SCE, Bangalore	Award of BE for students	4 months	Guidance in design, testing, report writing
<b>Voice over IP</b>	SCE, Bangalore	Award of BE for students	4 months	Guidance in design, testing, report writing
<b>HUD Symbology</b>	HAL, Bangalore	Award of BE for students	4 months	Guidance in design, testing, report writing
<b>Multimedia Licensing using MPEG REL</b>	RITM, Bangalore	Award of BE for students	4 months	Guidance in design, testing, report writing
<b>Evaluation of parallel programs on Multicore Architecture</b>	RITM, Bangalore	Award of BE for students	4 months	Guidance in design, testing, report writing

**Guided UG and PG seminars in the area of computer Science and Engineering**

## SEMINARS / WORKSHOPS / CONFERENCES ATTENDED

TYPE	TITLE	CONDUCTED BY / AT	DELIVERED BY	YEAR
<b>WORKSHOPS</b>  (1 week or 2 weeks)	Data Structures using C, Object oriented Programming using C++, Visual C++, Windows Programming, Java DB2 UDB	Depart of Computer Science & Technology  Siddaganga Institute of Technology, Tumkur	Experts from Industry and Academics	1994- 99
	Remote Sensing and GIS Applications	National Natural Resources Management System  Regional remote Sensing Service Centre, Bangalore	Experts from RRSSC	1999
	Industry Oriented Software Engineering and E-Commerce	Jointly organised by Infosys Technologies Ltd and Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore	Experts from Infosys & other Industry and Academics	2000
	Relational Database Management System	VTU BMSCE, Bangalore	Faculty from IBM	2001
	Train The Teachers Program on Object Oriented Analysis and Design	Board for IT Education Standards with IIITB	Faculty from IIITB and experts from industry	2001
	Fundamentals of Computer Networks with CISCO routers	Depart of Computer Science & Technology  M S Ramaiah Institute Of Technology, Bangalore	CISCO Trained Faculty from MSRIT	2002
	AICTE/ISTE Sponsored Short Term Training Programme on "Software Testing, Quality & Performance Engineering"	Department of ISE & MCA, MSRIT  M S Ramaiah Institute Of Technology, Bangalore	Experts from Industry and MSRIT	2003
	Microsoft Faculty Training Program	Microsoft IITB	Experts from Industry	2003
	Campus Connect Program for 2 weeks	Infosys Global Training Center, Mysore	Faculties from Infosys	2004
	Workshop on Compiler Design	Atria Institute of Technology, Bangalore	Experts from Industry & academia	2004

	Workshop on Storage Technology Fundamentals	East West College of Engineering	Faculty from AMC	2007 onwards
	Three day workshop on Advanced Java Technologies with hands on experience	Sun Microsystems, Bangalore	Engineers from Sun Microsystems	
	Three day workshop on Sun Solaris	Sun Microsystems, Bangalore	Engineers from Sun Microsystems	
	Workshop on Java Technologies	RNSIT, Bangalore	Experts form IBM	
	One day workshop on Multi-core architectures and parallel programming	Intel, Bangalore	Experts from Intel	2010
	Three day workshop on Software Testing	RITM, Bangalore	Experts from ISQT	



## SEMINARS / WORKSHOPS / CONFERENCES ATTENDED

TYPE	TITLE	CONDUCTED BY / AT	DELIVERED BY	YEAR
<b>CONFERENCES</b>  (1 day or 2 days)	VII Karnataka CSI Student Convention	Dayananda Sagar College of Engineering	Student paper presentation	1993
	CSI Student convention	MAHE, Manipal		1994
	International Conference on Intelligent Sensing and Information Processing	Bangalore		2005
	Nokia conference	Bangalore		2007 onwards
	National Conference on Computer Networks- NCCN	RITM, Bangalore		
<b>SEMINARS</b>	Mobile Computing, Pervasive Computing, Real time Embedded Systems, Optical Networks, Object Technology, Software Testing, DB2 certification, MAC OS, Future trends in IT, .NET	M S Ramaiah Institute Of Technology, Bangalore	Experts from Industry	1999-2003
	Seminars by Intel, IBM, HP & Microsoft	Other places at Bangalore		2004-2007
	Seminars by various eminent professors from academics- IITs and IISC PYTHON programming	RITM, Bangalore		2007 onwards

## SEMINARS / WORKSHOPS / CONFERENCES ORGANISED

TYPE	TITLE	CONDUCTED BY / AT	TARGET AUDIENCE	RESPONSIBILITY
<b>WORKSHOPS</b>  (1 week or 2 weeks)	Computer Fundamentals	Depart of Computer Science & Technology	Faculty from other departments	Handling a session
	Developer 200	Siddaganga Institute of Technology Tumkur	VI Students	Complete conduction
	Office Automation		Office Staff	Handling Sessions, Lab Exercise preparation
	DB2 Family Fundamentals(512)	Depart of Computer Science & Technology		
		M S Ramaiah Institute Of Technology, Bangalore	Students of CSE/ISE	Complete conduction
	DB2 Universal Database – VisualAge for Java		VI Students	Complete conduction & courseware preparation
	Fundamentals of Data Structures		Faculty of Electrical Science departments	Handling a session
	Object oriented Programming using C++		UG Students	Handling sessions
	C & C++ workshop	Sapthagiri College of Engineering, Bangalore	UG Students	Handling sessions
	C & C++ workshop		UG Students	Conducting the workshop
	2 day workshop on "Visual Programming & Database"		Faculties of CS-IS dept	Conducting the workshop
	2 day Workshop on "Project Frameworks"		Faculties of CS-IS dept of VTU colleges	Conducting the workshop Planning and conducting the workshop
	Conducted Infosys Campus connect Training for 2 months		UG Students	Handling sessions Conducting the workshop
2 day workshop on Theory of Computing	Reva Institute of Technology & Management	Faculties of CS-IS dept of VTU colleges	conducting the workshop	
2 day workshop on Multi-Core Architectures and Parallel Programming			Planning and conducting the workshop	

TYPE	TITLE	CONDUCTED BY / AT	TARGET AUDIENCE	RESPONSIBILITY
<b>CONFERENCES</b>  (1 day or 2 days)	I Southern Regional CSI Student Convention	Depart of Computer Science & Technology  Siddaganga Institute of Technology Tumkur	Students of South India	Organization
	13 <sup>th</sup> CSI Karnataka Student convention	Depart of Computer Science & Technology	Students of Karnataka	Organization
	Ganakadhalli Kannada	M S Ramaiah Institute Of Technology, Bangalore	Faculty	Organization
	Signal Processing Intelligence Systems and Networking Conference SPIN-2003	RITM, Bangalore	Faculty, Industry & Research persons	Co-ordinator Sponsoring Committee
<b>SEMINARS</b>	National Conference on Computer Networks- NCCN			Coordinator-Invitation Committee
	Software Testing	M S Ramaiah Institute Of Technology, Bangalore	Experts from Industry and Institutes	Organization
	Object Technology			
	A talk from NetKraft			
	Mobile Computing	Sapthagiri College of Engineering, Bangalore	Experts from Industry and Institutes	Organization

## RESEARCH PROPOSALS

SI No	Title	Organization	Details
1	RPS on Digital watermarking – Fake Currency Detection (MSRIT, Bangalore)	AICTE, New Delhi	Selected for presentation
2	Project Frameworks (SCE, Bangalore)	VTU, Belgaum	Conducted the workshop successfully
3	Multi-Core Architecture and Parallel Programming (RITM, Bangalore)	VTU, Belgaum	Conducted the workshop successfully
4	Multi-Core Architecture and Parallel Programming (RITM, Bangalore)	VGST, Bangalore	Pending
5	National Conference on Sensor Networks (RITM, Bangalore)	AICTE, New Delhi	Pending

## RESEARCH PUBLICATIONS

SI No	Title	Conference	Details
1	Lacunae in contemporary comprehension of programs	National conference on Information Technology at BIT, Bangalore	Presented the paper
2	Multimedia Licensing using MPEG REL (IEEE paper implementation) and paper published	National conference on Information Technology	Design, Guidance of the project and submitted

		at SJBIT, Bangalore	the paper and accepted
3	Survey of Multi-Core Architectures		Yet to submit
4	Parallel programming using openMP		Yet to submit

## RESEARCH AREAS

Multimedia Systems, Multi-core Architecture and Parallel Programming, Security Issues in Cloud Computing

## AWARDS / RECOGNITION

1. Recognized and rewarded the efforts in setting up the stage for vice president of India Function at SIT, Tumkur.
2. Awarded a cash prize for Best Teacher at SCE, Bangalore for getting 100 percent result in computer science subject
3. Selected by Government of Karnataka as Technical Inspector to MAHITHI SINDU-computer awareness programme for rural children in government school at Hesaragatta, Bangalore
4. Worked as Presiding officer for 3 times in Lokasaba and assembly elections
5. Worked as Master Trainees in the Election of the last assembly for training thousands of election officials in using the EVM; setting up EVMs for the entire constituency; supporting technically the EVMs in nearly 20 booths on the day of polling
6. Selected as a Resource person for VTU EDUSAT programme and delivered 20 Hrs of lessons on Software Testing for final year students of ISE.
7. Examiner in 4 autonomous reputed engineering colleges and member BOE in MSRIT, Banaglore.
8. Examined several MTech dissertation reports and conducted viva for around 15 MTech students.
9. Deleivered Invited Talk on "Software Testing" to final and prefinal year students at Sridevi Institute of Technology, Tumkur.
10. Deleivered Invited Talk on "Multicore Architectures and parallel programming" to final and prefinal year students at Sridevi Institute of Technology, Tumkur.

## MEMBERSHIP

1. Annual member IEEE
2. Lime Time Member - Indian Society for Technical Education (ISTE)
3. Lime Time Member -Computer Society of India (CSI)

## STRENGTHS

TYPE	DESCRIPTION
<b>COMMUNICATION SKILL (S)</b>	Ability to communicate, negotiate and convince
<b>COMMITMENT(S)</b>	Dedicated nature in executing any work with honesty till its completion
<b>CREATIVITY(S)</b>	Ability to think innovatively and generate useful ideas