SAPTHAGIRI COLLEGE OF ENGINEERING

#14/5, Chikkasandra, Hesaraghatta Main Road, Banglore-560057, Karnataka, India

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

FACULTY PROFILE

Name of the faculty	**Dr. H R RANGANATHA**
Designation	PROFESSOR and HEAD
Contact Number	9900319781
Email ID	hodise@sapthagiri.edu.in

Educational Qualification

Degree	Specialization	University	Year of Passing
PhD	Computer Networking	JAIN University, BENGALURU	2017
M S	Software Systems	Birla Institute Of Technology and Science, PILANI	2001

Work Experience

Teaching	Research	Industry
31	7	Nil

Publications

National/International Journals	National/International Conferences	Books Authored/Edited
5	8	Nil

Area of Interest

Mobile ad hoc network (MANET)	
Computer Networks	
Data Communications	
Digital Electronics	

Subject Taught

Ad hoc network	Microprocessors	Analog electronics	Computer organization
Computer Networks	Mobile communications	C Programming	Data structure
Data Communications	Wireless and mobile computing	Software Engineering	Microcontrollers
Logic Design	Operating Systems	Software Architecture	Digital communications

In House Experience

Sl. No	Designation	Period	
		From	To
1	Professor and Head	21/07/2017	Till Date

Outside Experience

Sl. No	Place of Work	Designation	Period	
			From	To
1	SIET, Tumkur	Associate Prof and Head	2009	2017
2	University of Garyounis ,Bengazi,Libya,Africa	Assistant Prof	2008	2009
3	SIET,Tumkur	Assistant Prof and Head	2007	2008
4	Sapthagiri college of Engineering,Bangalore	Assistant Prof and Head	2006	2007
5	ADAMA, University ,ADAMA,ETHIOPIA	Senior lecturer	2002	2006
6	Golden Valley Institute of Technology,K G F	Senior lecturer	1995	2002

Membership in Professional Bodies/University Bodies/Organization

- Indian Society for Technical Education (ISTE), LM 77994
- Computer Society of India (CSI), N 1113691

Publications   National/International Journals

- H R Ranganatha, T G Basavaraju " SHWMP: Scalable Hybrid Wireless Mesh Protocol for Wireless Mesh Networks" International Journal of Computer Science and Telecommunications [Volume 7, Issue 3, March 2016].
- H R Ranganatha, T G Basavaraju "Performance Evaluation of Hybrid Mesh Routing Protocol using Self-configuring Mechanism for Wireless Mesh Networks" International Journal of Engineering Research ISSN:2319-6890) (online),2347-5013(print) Volume No.5 Issue: Special 4, pp: 790-991 20 May 2016.
- H R Ranganatha, T G Basavaraju "Total Additive Expected Time Metric for Scalable Hybrid Wireless Mesh Routing Protocol in Wireless Mesh Networks" International Journal of Computer Science and Electronics Engineering (IJCSEE) Volume 4, Issue 1 (2016) ISSN 2320–4028 (Online).
- H R Ranganatha, Shobha Rani A, T G Basavaraju "Performance Evaluation of Internet Routing Protocols in Wireless Mesh Networks" Indian Journal of Computer Science and Engineering (IJCSE) ISSN: 0976-5166 Vol. 7 No. 3 Jun-Jul 2016.
- H R Ranganath, Asha C N, T G Basavaraju, "A Review of Scalable Routing Protocols for Wireless Mesh Networks", International Conference on Networking, Information & Communications-2014 (ICNIC 2014), Elsevier.
- Nagegowda K S, H R Ranganath, Puttamadappa C, Basavaraju T G, "Performance Evaluation of Scalable Routing Protocols using Routing Metrics for Wireless Mesh Networks under different Network Scenarios", International

National /International Conferences

- Participated in the National seminar on "Technology Road Map of ICT" as part of TECHNOLOGY VISION 2035 on 17 Sept 2016 organized jointly by TIFAC and NCSM in Bangalore.
- A paper on "A Review of Scalable Routing Protocols for Wireless Mesh Networks" presented in the International Conference on Networking ,Information& Communications-2014 (ICNIC2014)
- Presented paper on " wire sensor networks " in International conference on "Emerging Innovative Technologies For a Sustainable World,ICETSW-2013"
- A Paper on "Issues in Wireless Mesh Networks: A Survey" presented at AICTE sponsored National conference on communication and computing-NACC -2011
- A paper on " Cost effective photovoltaic power for Ethiopia" present in the international conference conducted at ADAM in ETHIOPIA" in 2006

SESSSIONS CHAIRED:

- One day National Conference on "Innovations in Computing and Communications" on 27th April 2017 SIET Tumakuru , Karnataka ,INDIA.
- National level technical symposium at H M S I T, NH-4, Kesaramadu Post, Kyathsandra, Tumakuru, Karnataka 572104 on 10-10-2014.
- National Conference on wireless sensors Shridevi Degree college, Maralenahalli Tumkur-572106 on 13th Sept 2011.
- One day state level student symposium Infomania – 2011 on 26 April 2011,SIET,Tumkur Karnataka.

Faculty Development Programme Participated

- Attended One Week Faculty Development Programme on "Network Simulators in Research Prospective" from 20th July to 24th July, 2015. Conducted by the Department of Computer Science & Engineering, Government SKSJ Technological Institute, K R Circle, Bangalore.
- Attended short term Programme on NBA and Faculty development Progrmme conducted by Shridevi Institute of Engineering and Technology Tumkur, Karnataka, India, from 23rd July to 28th July 2015 Bangalore.
- Attended AICTE/MHRD Sponsored STTP on "Simulation of Wireless Networks (SWN2011)" Organized by the department of CSE NITK Surathkal, Karnataka, INDIA in June2011.
- Attended OOP with Java course conducted by Dept of Electronics and Computer Science, UVCE, Bangalore. (2 days).
- Attended Advanced Microprocessors and PC training conducted by Basavewsara college of Engineering Bagalkot, Karnataka. (1 week).
- Attended Short-Term Programme Verilog and VHDL programming techniques, a hands on training at RNSIT, Bangalore. (1 week).

Workshop Attended

- Participated in two days free workshop on "Qualnet And Xata Simulator" covering Research Aspects" on 14th and 15th February 2014 organized by Department of CSE, Govt SKSJTI, Bangalore .
- Participated in two days workshop on " LaTeX," on 12 and 13 December 2013 organized by Jain University Bangalore .

Workshop/Seminars/ Symposism Organized.

- One Day Workshop on "computer graphics and its applications in Image Processing" on 30th April, 2010 conducted by the Department of Information Science and Engineering: Role: Course Coordinator.
- Two Days Workshop on "Mobile Computing and Security" 4th and 5th Feb 2011 conducted by the Department of Information Science and Engineering: Role: Convener.
- One Day Workshop on "ASP.NET WITH AJAX" 25th Feb 2012 organized by the Department of Information Science and Engineering: Role: Convener.
- One day National Conference on "Emerging Trends in Information Technology –NCETIT 2013 27th April conducted by the Department of Information Science and Engineering: Role: Convener.
- Two days "International Conference On Emerging Innovative Technologies For a Sustainable World-2013 on 7th and 8th October 2013organized by SIET Tumkur in Association with Oklahoma State University : Role: Publications coordinator.
- One day National Conference on "Innovations in Computing and Communications NCICC 2017 27th April conducted by the Department of Information Science and Engineering: Role: Convener.