Mahadev Anant Gawas

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Department of CS & IS,
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Career Objective

Self-directed, enthusiastic educator with a passionate commitment to student development and the learning experience. Skilled in the design of challenging, enriching, and innovative activities that address the diverse interests and needs of students.

Work Experience (6 Years)

1. Worked as Senior Lecturer at SRIEIT, Goa University from 1/1/2007 to 24/5/2009.
2. Worked as Lecturer at BITS PILANI K.K Birla Goa Campus from 25/5/2009 till date

Qualification Highlights

PhD. Pursuing	BITS PILANI, K.K.BIRLA Goa Campus		
M.E (IT)	PCCE , Goa University	2007	7.9 CGPA
B.E (Computer)	SRIEIT, Goa University	2005	79%

Project Experience U.G

Project Title: Data modeling for remote data access sponsored by Nation Institute of Oceanography Goa.

Project Experience P.G

Project Title: Three-Tier Application using Oracle Container for Java.

Research Details:

Research domain:
- Wireless Networking
- Mobile Ad-Hoc Networks.
- Cross Layer

Ph.D. Thesis Title:

"*Cross Layer Design methodology to optimize the quality of service in Ad-Hoc Networks*".

Mentor:
Dr. Lucy Gudino, Ph.D
Prof. K. R. Anupama, Ph.D

Abstract:
The research focuses on enhancing the Quality of Service (QoS) of Mobile Ad Hoc networks by exploiting cross layer interaction between layers of TCP/IP protocol suite.

The main objective of the proposed work is to improve the QoS for Mobile Ad Hoc Network under minimum available bandwidth and end to end delay along with congestion around a link by exploiting the cooperation between MAC and Physical layer.

Computer proficiency

• Operating Systems	:	Windows ,Ubuntu
• Language Known	:	C, C++,Java, PHP, ASP
• Scripting language	:	Shell Script, Awk Script
• Tools	:	Mathematica, NS2, Omnet++.

Courses Handled in Academics

Computer networks, Network Programming, Computer Programming, Software Engineering, Database Management, Advanced Data Structure

Workshops Attended

1. STTP "Component based software engineering" sponsored by VIT Pune 2008.
2. Awarded APAN fellowship for APAN 32 sponsored by ERNET Delhi India 2011.
3. Introductory Workshop on MATHEMATICA, Department of Mathematics, BITS Pilani K. K. Birla Goa Campus, 24–25 July 2013

Academic projects Mentor (2009–2013)

1. Analysis of Internet traffic at BITS PILANI Goa campus.
2. Retail Management System with market prediction.
3. PSMC (Packet switching between multiple network connections).
4. SWD (Student Welfare Division BITS PILANI Goa) Admission Software System.
5. FTP updates notification System for handheld devices.
6. NAT implementations and security issues.
7. Network Authentication and Digital Signature.
8. Performance analysis of MANETS routing algorithms.
9. Design of Delay- Aware routing algorithm for MANETS.