

**CURRICULUM VITAE****VARAPRASAD G.****PERSONAL DETAILS**

**DOB** : 15/06/1978.  
**Gender** : Male.  
**Nationality** : Indian.  
**Phone** : +91-080-26622130-35/Ext:7001.  
**Mobile** : +91-9449612596.  
**Fax** : +91-080-26614357.  
**E-mail** : [drvaraprasad@gmail.com](mailto:drvaraprasad@gmail.com)/ [varaprasad.cse@bmsce.ac.in](mailto:varaprasad.cse@bmsce.ac.in)  
**Website** : <https://sites.google.com/site/drvaraprasad/varaprasad>

**Research Gate****Google Scholar****DBLP List****ACADEMIC QUALIFICATIONS****Post Doctoral Fellow(PDF)**

Area of Research : Wireless Communications.  
 Advisor : Dr.Venkataram P.  
 Department of Electrical Communication Engineering.  
 Indian Institute of Science, Bangalore-560 012.  
 Duration : November 2004 to July 2005.

**Doctor of Philosophy(Ph.D) in Computer Science and Engineering**

Area of Research : Computer Networks.  
 Supervisor : Dr.Wahidabanu R.S.D  
 University : Anna University, Chennai-600 002.  
 Duration : June 2002 to November 2004.  
 Thesis Title : Versatile Routing for Guaranteed Bounded Delay for End to End.  
 System in a Mesh Network.

**Master of Technology(M.Tech) in Computer Science and Engineering**

Project Guide : Prof.Guruprasad H.S.  
 University : Visvesvaraya Technological University, Belgaum-590 014.  
 Duration : August 1999 to December 2001.  
 Class/Percentage : First class with 68%.  
 Thesis Title : On-line Examination System.

**Bachelor of Technology(B.Tech) in Computer Science and Engineering**

Project Guide : Prof.Sreedhar G.S.  
 University : Sri Venkateswara University, Tirupati-517 502.  
 Duration : August 1995 to July 1999.  
 Class/Percentage : First class with 66%.  
 Thesis Title : Automatic Packaged System for Spinning Mills.

**RESEARCH/TEACHING EXPERIENCE**

Name of the Institute	Name of the Post	Duration		Research/Teaching	Basic, AGP & Total Gross(Rs)
		From	To		
B.M.S.College of Engineering Bangalore-19.	Associate Professor –M.Tech.	07/2010	Till date	Teaching & Research.	58,830, AGP:9,000 & Total: 1,60,418.
	Assistant Professor –M.Tech.	07/2007	07/2010	Teaching & Research.	14,520-420-18,300 & Total: 65,000
	Lecturer –M.Tech.	08/2005	07/2007	Teaching & Research.	9,925-275-13,500 & Total: 30,000
Indian Institute of Science Bangalore-12.	Project Associate.	11/2004	07/2005	Research.	Total: 10,000P.M.

**AREAS OF RESEARCH INTERESTS**

- ❖ Mobile Ad hoc Networks.
- ❖ Wireless Sensor Networks.
- ❖ Vehicular Area Networks.

**LIST OF ADDITIONAL RESPONSIBILITIES(SELECTIVE)**

1. NBA Evaluator under TIER-I scheme, Delhi-03.
2. NBA Evaluator under TIER-II scheme, Delhi-03.
3. NBA Evaluator for Polytechnic Institution, Delhi-03.
4. UPSC Subject Expert, Delhi-69.
5. AICTE Expert Committee Member for Setting Up New Engineering Colleges, Delhi-01.

6. AICTE Expert Committee Member for Setting Up New Polytechnic Colleges, Delhi-01.
7. AICTE Expert Committee Member for AQIS Schemes, Delhi-01.
8. DST Expert Committee Member, New Delhi-16.
9. DRDO/ADA Board Member for Recruitment of Scientists, Delhi-54.
10. Board of Studies(BoS) Members for
  - ❖ M.S.Ramaiah Institute of Technology, Bangalore-54.
  - ❖ Adhiyamaan College of Engineering, Hosur-09.
  - ❖ New Horizon College of Engineering, Bangalore-03.
  - ❖ Lakireddy Bali Reddy College of Engineering, Vijaywada-30.
  - ❖ KSRM College of Engineering, Kadapa-13.
11. Board of Examiner(BoE) Members for
  - ❖ NITTE Meenakshi Institute of Technology, Bangalore-64.
  - ❖ B.M.S.College of Engineering, Bangalore-19.
  - ❖ New Horizon College of Engineering, Bangalore-03.
12. Faculty Selection Committee Member for
  - ❖ M.S.Ramaiah Institute of Technology, Bangalore-54.
  - ❖ PES Institute of Technology, Bangalore-85.
13. Reviewer for
  - ❖ IEEE Transactions on Wireless Communications.
  - ❖ IEEE Transactions on Vehicular Technology.
  - ❖ IEEE Transactions on Industrial Electronics.
  - ❖ IEEE Sensors Journal.
  - ❖ IEEE Pervasive Computing Journal.
  - ❖ IEEE Communications Magazine.
  - ❖ IEEE Communications Letter.
  - ❖ IEEE Signal Processing Letter.
  - ❖ IEEE Wireless Communications Magazine.

---

#### LIST OF TALKS/SEMINARS(SELECTIVE)

Herewith, I am providing a list of selective seminar/talks given by me as follows:

1. 19/01/2017 Indian Institute of Technology Indore, Indore-453 552.
2. 29/12/2015 Indian Institute of Technology Hyderabad, Hyderabad-502 205.
3. 02/03/2013 Bhabha Atomic Research Centre, Mumbai-400 085.
4. 15/01/2011 Indian Institute of Technology Bhubaneswar, Bhubaneswar-751 013.
5. 17/07/2009 Indian Institute of Technology Hyderabad, Hyderabad-502 205.
6. 14/11/2008 Indian Institute of Technology Kharagpur, Kharagpur-721 302.
7. 05/06/2008 Indian Institute of Science Bangalore, Bangalore-560 012.
8. 14/05/2008 Indian Institute of Technology Madras, Chennai-600 036.
9. 02/07/2007 Indian Institute of Technology Delhi, New Delhi-110 016.
10. 13/03/2007 Indian Institute of Technology Madras, Chennai-600 036.
11. 14/11/2006 Indian Institute of Technology Kharagpur, Kharagpur-721 302.
12. 21/07/2006 Indian Institute of Technology Guwahati, Guwahati-781 001.
13. 14/03/2006 Indian Institute of Technology Madras, Chennai-600 036.

---

#### LIST OF CHAPTERS/TEXTBOOKS(SELECTIVE)

Herewith, I am providing a list of textbooks written by me as author/co-author as follows:

1. **Varaprasad G., et al**, "Dynamic Ad-Hoc Networks", **IET Publications**, Hertfordshire, SG1 2AY, UK, 2013, Number of pages:250, **ISBN:978-1-84919-647-5**.
2. **Varaprasad G., et al**, "Emerging Technologies in Wireless Ad hoc Networks: Applications and Future Developments", **IGI Global Publisher**, Hershey, PA 17033, United States of America, 2010, Number of pages:350, **ISBN:1609600274**.

---

#### LIST OF PATENTS/COPYRIGHTS

Herewith, I am providing a list of patents/copyrights obtained by me as follows:

- ❖ No. of **Patents/Copyrights** acquired: 16.
- ❖ No. of **Patents/Copyrights** pending : 3.

**Granted:**

1. **Varaprasad G., Divya M.N., Vagdevi, Shruthi K.N.**, "**Bin Status Monitoring in Real Time to Avoid Garbage Overflow**", India, June 2017, **Diary Number:4802/2016-CO/L**.
2. Santhosh Hebbar, Praveenraj P., **Varaprasad G.**, "**Implementing Mobile ZigBee Module in Traffic Control System to Clear Way for Ambulance**", India, June 2015, **Diary Number: L-61923/2015**.
3. **Varaprasad G., Divya M.N., Vagdevi, Shruthi K.N.**, "**Analysis on Water Quality Monitoring Tools**", India, June 2016, **Diary Number: 10485/2015-CO/L**.
4. Santhosh Hebbar, **Varaprasad G.**, "**Android Based Mobile Phones for Submersible Pumps to Supply Drinking Water in Remote Areas**", India, June 2015, **Diary Number: L-61922/2015**.

5. Santhosh Hebbar, Praveenraj P., Rajeshwari Madli, **Varaprasad G.**, "**Sandalwood Tree Protection Using Bluetooth Version 4.0**", India, December 2015, **Diary Number:** L- 62831/2015.
6. Santhosh Hebbar, Rajeshwarli Madli, Praveenraj Pattar, **Varaprasad G.**, "**Automatic Detection and Notification of Potholes and Humps on Roads to Aid Drivers**", India, March 2015, **Diary Number:** L-61418/2015.
7. Santhosh Hebbar, Rajeshwari Madli, **Varaprasad G.**, "**Build It Yourself": Embedded Solutions at Your Fingertips**", India, February 2015, **Diary Number:** L-61245/2015.
8. Pawnish R., Raman K., Ravikumar S., Sathayanarayana H.G., Shruti Pooja S., Praveenraj P., Santosh Hebbar, **Varaprasad G.**, "**Automated Physical Protection for Automatic Teller Machines to Prevent Against Cash Box Thefts**", India, October 2014, **Diary Number:** L-59851/2014.
9. Rajeshwari S., Santhosh Hebbar, **Varaprasad G.**, "**Implementing Intelligent Traffic Control System for Congestion Control, Ambulance Clearance and Stolen Vehicle Detection**", India, November 2014, **Diary Number:** L-60286/2014.
10. Pavan R., Phaniraj Y.K., Sachin K.B., Shilpa A.S., Madhukiran R., N. Yadav, Nikhil T., Santhosh H., **Varaprasad G.**, "**Design and Implementation of Intelligent Street Light System**", India, October 2014, **Diary Number:** L-59912/2014.
11. **Varaprasad G.**, "**Efficient Monitoring System for Vehicular Area Networks Using Zigbee Protocol**", India, November 2013, **Diary Number:** L-53148/2013.
12. Shilpa K., Akram S., **Varaprasad G.**, "**Voice Based Two-Factor Authentication System**", India, November 2013, **Diary Number:** L-53151/2013.
13. Kumar S., **Varaprasad G.**, Jyothi D.G., "**Design and Development of Efficient Monitoring System for Vehicular Area Networks**", India, September 2013, **Diary Number:** L-53153/2013.
14. Kumar S., Abhilash P.G., **Varaprasad G.**, Jyothi D.G., "**Violation Detection Method for Vehicular Area Networks**", India, September 2013, **Diary Number:** L-53155/2013.
15. Kiran G.S, Bhoolakshmi M., **Varaprasad G.**, "**Finding Stolen Mobile Phone over Cellular Technology**", India, February 2007, **Diary Number:** L-28025/2007.
16. **Varaprasad G.**, "**New Multicast Algorithm for Saving Bandwidth in MANET**", India, June 2007, **Diary Number:** L-28673/2007.

#### Applied :

17. Shashi Preetam, **Varaprasad G.**, "**Attendance Monitoring System using Bluetooth for Short Range Surveillance**", September 2018, **Diary Number:** 12733/2018-CO/L.
18. Shalini Us, **Varaprasad G.**, "**Summarization of Document using Semantic Dictionary Method**", September 2018, **Diary Number:** 12730/2018-CO/L.
19. Chandra Babu C.K., Nagaraj H.B., **Varaprasad G.**, Ashish K., "**Device for In Site Extraction of Tender Coconut Water and a Method Therefor**", India, May 2011, **Diary Number:** 2533/CHE/2011.

#### LIST OF SPONSORED PROJECTS(SELECTIVE)

So far I have received research grants more than **Rs.1.3 Crores**. Here, I am providing a selective list of sponsored research completed/ongoing projects as follows:

❖ No. of **Completed** Projects : 9.

1. **Principal Investigator** of Development of Intelligent Traffic Control System by using RFID Technology, Sponsored by University Grants Commission, New Delhi  
**Ref number** : RA-2014-16-OB-KAR-4843 dated 29/01/2015.  
**Investigator:** Dr.G.Varaprasad.  
**Started on** : February 2015.  
**Duration** : 2 years.  
**Amount** : Rs.43.50 lakhs.
2. **Co-Principal Investigator** of project Instrumentation and Field Studies on In-situ Extraction of Tender Coconut Water from Coconut Tree, Sponsored by Department of Science and Technology, New Delhi  
**Ref number** : IDP/IND/2012/1 dated 18/09/2013.  
**Investigator:** Prof.Chandra Babu C.K.(PI), Dr.Nagaraj H.B.(Co-PI).  
**Started on** : September 2013.  
**Duration** : 2 years.  
**Amount** : Rs.24.27 lakhs.
3. **Principal Investigator** of project Wireless Communication Laboratory by Sponsored by All India Council for Technical Education, New Delhi.  
**Ref number** : 12/AICTE/RIFD/MOD(Policy-2)-13/2012-13 dated 04/02/2013.  
**Investigator** : Dr.Varaprasad G.  
**Started on** : February 2013.  
**Duration** : 1 year.

- Amount** : Rs.8.34 lakhs.
- 4. Co-Principal Investigator** of project Multiple Extraction of Coconut Water From Tree, Sponsored by All India Council for Technical Education, New Delhi.  
**Ref number** : 8023/RID/RPS-02/Policy-IV(GOVT)/2011-12 dated 20/04/2012.  
**Investigator**: Prof.Chandra Babu C.K.(PI), Dr.Nagaraj H.B.(Co-PI).  
**Started on** : May 2012.  
**Duration** : 2 years.  
**Amount** : Rs.7.30 lakhs.
- 5. Principal Investigator** of project Violation Detection Method for Vehicular Ad Hoc Networking, Sponsored by Department of Information Technology, Biotechnology and Science and Technology, Bangalore.  
**Ref number** : VGST/P-9/SMYSR/2011-12/182 dated 22/10/2011.  
**Investigator**: Dr.Varaprasad G.  
**Started on** : November 2011.  
**Duration** : 2 years.  
**Amount** : Rs.4.00 lakhs.

---

#### LIST OF CONSULTANCY PROJECTS

Here, I am providing a selective list of consultancy completed/ongoing projects as follows:

- ❖ No. of **Completed** Projects : 3.
  - ❖ No. of **Ongoing** Projects : 1.
- 1. Principal Investigator** of project Solid Waste Bin Monitoring System Using Wireless Sensor Network, Sponsored by S2S UniTech Private Limited, Yellapur.  
**Ref number** : CS/CP-3 dated 12/04/2016.  
**Investigator**: Dr.Varaprasad G.  
**Started on** : April 2016.  
**Duration** : 3 Months.  
**Amount** : Rs.0.55 lakh.
  - 2. Principal Investigator** of project Implementing Intelligent Traffic Control System for Emergency Vehicles, Sponsored by S2S UniTech Private Limited, Yellapur.  
**Ref number** : CS/CP-4 dated 13/04/2016.  
**Investigator**: Dr.Varaprasad G.  
**Started on** : April 2016.  
**Duration** : 3 Months.  
**Amount** : Rs.0.45 lakh.
  - 3. Principal Investigator** of project Smart Electric Fencing System, Sponsored by ARTIS Technologies, Services, Kundapur.  
**Ref number** : CS/CP-2 dated 01/07/2015.  
**Investigator**: Dr.Varaprasad G.  
**Started on** : July 2015.  
**Duration** : 3 Months.  
**Amount** : Rs.0.20 lakh.
  - 4. Principal Investigator** of project Digital Controlled Switches for Single Phase and 3-Phases Motors, Sponsored by Visual Sensing and Automation LLP, Bangalore.  
**Ref number** : CS/CP-1 dated 13/04/2014.  
**Investigator**: Dr.Varaprasad G.  
**Started on** : April 2014.  
**Duration** : 3 Months.  
**Amount** : Rs.0.35 lakh.

---

#### LIST OF REFEREED JOURNAL PAPERS(SELECTIVE)

I made **62** journal publications and **54** conference publications. Herewith, I am providing a selective journal as well as conference publications as:

- ❖ **Journal Papers: 62**
  - ❖ No. of **IEEE** Transactions/Journals/Magazines : 12.
  - ❖ No. of **ACM** Transactions/Journals/Magazines : 7.
  - ❖ No. of **Elsevier** Journals : 1.
  - ❖ No. of **Wiley** Journals : 3.
  - ❖ No. of **Inderscience** Journals : 5.
  - ❖ No. of **Springer** Journals/Lecturer notes : 5.
  - ❖ No. of **Other** Journals : 29.
- ❖ **Conference Papers: 54**
  - ❖ No. of **IEEE** Conference Papers : 26.
  - ❖ No. of **Other** Conference Papers : 28.

#### Year 2018:

1. **Varaprasad G.**, "Protection System for Automatic Teller Machines Against Cash Box Thefts", **IEEE Conference on Wireless Communications, Signal Processing and Networking**, March 2018.
2. Shyam Murthy, **Varaprasad G.**, "Modeling of Sensor Packet Arrival in Simulation Environment", **IEEE Conference on Inventive Communication and Computational Technologies**, April 2018.
3. Rajeshwari Madli, **Varaprasad G.**, Imthiyaz M P., "A Review of Communication Handoffs in Vehicular Ad-Hoc Networks (VANETs) and its Classification", **IEEE Conference on Wireless Communications, Signal Processing and Networking**, March 2018.
4. Vinay S, Shashidhar B H, **Varaprasad G.**, "Multipath source routing Protocol for Mobile Adhoc Networks with Performance Effective Analysis", **IEEE Conference on Inventive Communication and Computational Technologies**, April 2018.

#### Year 2017:

5. Shyam Murthy, **Varaprasad G.**, "Framework for IoT Applications in the Cloud, is it Needed? A Study", **IEEE Conference on Computing Methodologies and Communication**, pp.1046-1048, July 2017, **DOI:** 10.1109/ICCMC.2017.8282630.
6. Shruthi K.N., **Varaprasad G.**, "Bin Status Monitoring in Real Time to Avoid Garbage Overflow", **IEEE Conference on Communication and Signal Processing**, pp.75-81, April 2017.
7. Santhosh Hebbar, **Varaprasad G.**, "Design and Implementation of Intelligent Street Light System", **IEEE Conference on Computation of Power, Energy, Information and Communication**, pp.180-185, March 2017.
8. Santhosh Hebbar, **Varaprasad G.**, "Automatic Water Supply System for Plants by using Wireless Sensor Network", **IEEE Conference on IoT in Social, Mobile, Analytics and Cloud**, pp.71-75, February 2017, **DOI:**10.1109/I-SMAC.2017.8058277.
9. Vagdevi P., Divya Nagaraj, **Varaprasad G.**, "Home: IOT Based Home Automation Using NFC", **IEEE Conference on IoT in Social, Mobile, Analytics and Cloud**, pp.82-85, February 2017, **DOI:**10.1109/I-SMAC.2017.8058301.

#### Year 2016:

10. Kumar S., Abhilash P.G., Jyothi D.G., **Varaprasad G.**, "Violation Detection Method for Vehicular Ad Hoc Networking", **Wiley Security and Communication Networks**, Special Issue on Security in Cooperative Vehicular Networks, Vol.9, No.3, pp.201-207, February 2016, **DOI:**10.1002/sec.427, **Impact Factor: 0.806**.
11. Santhosh Hebbar, Praveenraj P., **Varaprasad G.**, "A Mobile ZigBee Module in Traffic Control System", **IEEE Potentials**, Vol.35, No.1, pp.19-23, January 2016, **DOI:** 10.1109/MPOT.2014.2341331, **H Index: 21**.
12. Rajesh G.P., Praveenraj Pattar, Divya M.N., **Varaprasad G.**, "Near Field Application: NFC Smart Notice Board", **IEEE Conference on Wireless and Optical Communications Networks**, pp.1-5, July 2016, **DOI:**10.1109/WOCN.2016.7759887.

#### Year 2015:

13. Rajeshwari M., Santhosh Hebbar, Praven Raj, **Varaprasad G.**, "Automatic Detection and Notification of Potholes and Humps on Roads to Aid Drivers", **IEEE Sensors Journal**, Vol.15, No.8, pp.4313-4318, March 2015, **DOI:**10.1109/JSEN.2015.2417579, **Impact Factor:1.852**.
14. Rajeshwari S., Santhosh Hebbar, **Varaprasad G.**, Implementing Intelligent Traffic Control System for Congestion Control, Ambulance Clearance and Stolen Vehicle Detection", **IEEE Sensors Journal**, Vol.15, No.2, pp.1109-1113, February 2015, **DOI:** 10.1109/JSEN.2014.2360288, **Impact Factor:1.852**.
15. Santhosh Hebbar, Praveenraj Pattar, Rajeshwari Madli, **Varaprasad G.**, "Sandalwood Tree Protection Using Bluetooth Version 4.0", **IEEE Conference on Computing and Network Communications**, pp.626-632, December 2015, **DOI:**10.1109/CoCoNet.2015.7411253.

#### Year 2014:

16. Sachin B.S., **Varaprasad G.**, "Detection of Potholes in Autonomous Vehicle", **IEEE Intelligent Transport Systems**, Special Issue on Highly and Fully Automated Driving, Vol.8, No.6, pp. 543-549, September 2014, **DOI:**10.1049/iet-its.2013.0138, **Impact Factor: 0.959**.
17. Shivakumar, Suresh H.M., **Varaprasad G.**, "Designing Energy Routing Protocol with Power Consumption in MANET", **IEEE Transactions on Emerging Topics in Computing**, Special Issue on Computational Sustainability, Vol.2, No.2, pp.192-197, June 2014, **DOI:** 10.1109/TETC.2013.2287177, **H Index 2**.



18. Shivakumar, **Varaprasad G.**, Suresh H.M., "Implementing a New Power Aware Routing Algorithm Based on Existing Dynamic Source Routing Protocol for Mobile Ad hoc Networks", **IEEE Networks**, Vol. 3, No.2, pp.137-142, June 2014, **DOI**:10.1049/iet-net.2013.0050, **H Index**:1.
19. Shivakumar, **Varaprasad G.**, Suresh, "Importance of On-demand Modified Power Aware Dynamic Source Routing Protocol in Mobile Ad-hoc Networks", **IEEE Microwaves, Antennas and Propagation**, Special Issue on RF Energy Harvesting and Wireless Power Transfer for Autonomous Sensor, Vol.7, No.7, pp.459-464, May 2014, **DOI**:10.1049/iet-map.2013.0230, **Impact Factor**:0.836.
20. **Varaprasad G.**, "Stable Routing Algorithm for Mobile Ad Hoc Networks using Mobile Agent", **Wiley International Journal of Communication Systems**, Vol.27, No.1, pp.163-170, January 2014, **DOI**:10.1002/dac.2354, **Impact Factor**:0.712.
21. Shambhu Hegde, Harish V. Mekali, **Varaprasad G.**, "Pothole Detection and Inter Vehicular Communication", **IEEE Conference on Vehicular Electronics and Safety**, pp.84-87, December 2014, **DOI**:10.1109/ICVES.2014.7063729.
22. Sandhya A. Kulkarni, **Varaprasad G.**, "Effective Routing Model For Delay Tolerant Network Applications", **IEEE Conference on Communication and Signal Processing**, pp.1373-1377, March 2014, **DOI**:10.1109/ICCSP.2014.6949896.

#### **Year 2013:**

23. **Varaprasad G.**, "High Stable Power Aware Multicast Algorithm for Mobile Adhoc Networks", **IEEE Sensors Journal**, Vol.13, No.5, pp.1442-1446, May 2013, **DOI**:10.1109/JSEN.2012.2236552, **Impact Factor**: 1.58.
24. **Varaprasad G.**, Wahidabanu R.S.D., "New Power Aware Multicast Algorithm for Mobile Ad Hoc Networks", **IEEE Potentials**, Vol.32, No.2, pp.32-35, April 2013, **DOI**: 10.1109/MPOT.2012.2232013, **H Index**:21.
25. Shiva Murthy G., Souza R.J.D., **Varaprasad G.**, "Network Lifetime Analytical Model for Node Disjoint Multipath Routing in Wireless Sensor Networks", **Inderscience International Journal of Communication and Distributed Systems**, Special Issue on the Science of Smarter Planet Systems, Vol.10, No.2, pp.163-175, April 2013, **DOI**:10.1504/IJCND.2013.051821, **H Index**: 4.
26. **Varaprasad G.**, Wahidabanu R.S.D., "Priority Based Model for Network Partition Problem for Mobile Ad hoc Networks", **Inderscience International Journal of Radio Frequency Indemnification and Applications**, Vol.4, No.2, pp. 138-148, March 2013, **DOI**:10.1504/IJRFITA.2012.054664, **SJR Factor** : 0.07.
27. Shivakumar, **Varaprasad G.**, Suresh H.M., "Implementing a Power Aware QoS Constraints Routing Protocol in MANETs", **IEEE Conference on Computing, Communication and Networking Technologies**, pp.1-7, June 2013, **DOI**: 10.1109/ICCCNT.2013.6726707.

#### **Year 2012:**

28. Shiva Murthy G., Souza R.J.D., **Varaprasad G.**, "Digital Signature Based Secure Node Disjoint Multipath Routing Protocol for Wireless Sensor Networks", **IEEE Sensors Journal**, Vol.12, No.10, pp.2941-2949, October 2012, **DOI**:10.1109/JSEN.2012.2205674, **Impact Factor**:1.58.
29. Shiv Kumar, Seshadri Krishna Murthy, **Varaprasad G.**, Sivasathya S., "Network Load and Traffic Pattern on the Capacity of Wireless Ad hoc Networks", **ACM SIGARCH Computer Architecture**, Vol.40, No.4, pp.10-25, March 2012, **DOI**:10.1145/2411116.2411120, **H Index**: 129.
30. **Varaprasad G.**, "Efficient Power Aware Routing Algorithm for Mobile Ad hoc Networks", **Wiley Wireless Communications and Mobile Computing**, Special issue on Recent Advancement in Wireless Ad hoc and Sensor Networks, Vol:12, No.1, pp.1-6, January 2012, **DOI**:10.1002/wcm.870, **Impact Factor**: 1.016.
31. Vijay Anand H.M., **Varaprasad G.**, "Dynamic Key Management Method for Wireless Sensor Networks", **IEEE Conference on Wireless and Optical Communications Networks**, pp.1-5, September 2012, **DOI**:10.1109/WOCN.2012.6335545.

#### **Year 2011:**

32. **Varaprasad G.**, Johny Jose, Shiva Murthy G., Souza R.J.D., "Design and Development of Efficient Algorithm for Mobile Ad Hoc Networks using Cache", **Inderscience International Journal of Space-Based and Situated Computing**, Vol.1, No.2/3, pp.183-188, June 2011, **DOI**:10.1504/IJSSC.2011.040344.
33. **Varaprasad G.**, Wahidabanu R.S.D., "Quality of Service Model for Multimedia Applications in Mobile Ad Hoc Network", **IEEE Potentials**, 30, No.2, pp.44-47, March 2011, **DOI**:10.1109/MPOT.2010.939454, **H Index**:21.
34. **Varaprasad G.**, "Network Connectivity Based Power Aware Routing Algorithm for Mobile Ad Hoc Networks", **Inderscience International Journal of Ad hoc and Ubi-**

**quitous Computing**, Special Issue on Wireless and Mobile Networks, Vol.7, No.2, pp.71-76, March 2011, **DOI:**10.1504/IJAHUC.2011.038993, **Impact Factor:0.865**.

35. Thimmarayaswamy K., Mary M.D'souza, **Varaprasad G.**, "Low Power Techniques for an Android Based Phone", **ACM SIGARCH Computer Architecture**, Vol.39,No.2, pp. 26-35, March 2011, **DOI:**10.1145/2024716.2024720, **H Index: 129**.
36. **Varaprasad G.**, "Lifetime Enhancement Routing Algorithm for Mobile Ad Hoc Networks", **IEEE Communications**, Vol.5, No.1, pp.119-125, January 2011, **DOI:**10.1049/iet-com.2010.0134, **Impact Factor:0.963**.
37. Manjula M., **Varaprasad G.**, "Implementation of Decoders for LTE Interface Messages", **IEEE Conference on Networking and Distributed Computing**, pp.304-310, September 2011, **DOI:** 10.1109/ICNDC.2011.77.
38. **Varaprasad G.**, Wahidabanu R.S.D., "New Power Aware Routing Algorithm for Mobile Adhoc Networks Using Mobile Agent", **IEEE Conference on Applied Computing, Computer Science and Computer Engineering**, pp.38-44, July 2011, **DOI:**10.1049/iet-net.2013.0050.

#### **Year 2010:**

39. Shiva Kumar P., Rinki Sharma, **Varaprasad G.**, "Dynamic Antenna Mode Selection for Link Maintenances in Mobile Ad Hoc Network", **ACM SIGBED Review**, Vol.7, No.3, pp.3-10, December 2010, **DOI:**10.1145/1938543.1938544.
40. Shobha T., Syed Akram, **Varaprasad G.**, Design and Development of Framework for Diagnosing Intermediate Nodes, **ACM SIGARCH Computer Architecture**, Vol.38, No.5, pp.7-11, March 2010, **DOI:**10.1145/1978907.1978910, **H Index: 129**.
41. Srinivasa A.H., **Varaprasad G.**, "Design and Development of a Sensor Model for Coal Mines", **ACM SIGBED Review**, Vol.7, No.1, pp.6-11, January 2010, **DOI:**10.1145/1851166.1851168.
42. **Varaprasad G.**, "Power Aware With the Survivable Routing Algorithm for Mobile Ad Hoc Networks", **IEEE Conference on Mobile Wireless Middleware, Operating Systems and Applications**, pp.265-275, June 2010, **DOI:** doi.org/10.1007/978-3-642-17758-3\_19.

#### **Year 2009:**

43. Bheemalingaiah M., Naidu M.M., Rao D.S., **Varaprasad G.**, "Power-aware Node- Disjoint Multipath Source Routing with Low Overhead in Mobile Ad Hoc Network", **Inderscience International Journal of Mobile Network Design and Innovation**, Special Issue on Mobile Ad-Hoc Networking, Vol.3, No.1, pp.33-45, January 2009, **DOI:**10.1504/IJMNDI.2009.030445, **SJR Factor:0.038**.
44. **Varaprasad G.**, "Wireless Sensor Network for Volcano Environments", **ACM SIGBED Review**, Vol.6, No.3, pp.2-8, October 2009, **DOI:**10.1145/1851340.1851343.
45. **Varaprasad G.**, "Query Based Approach Model for Mobile Commerce Applications in MANET", **IEEE Workshop on Wireless, Mobile Networks and Consumer Applications**, pp.438-443, December 2009, **DOI:** doi.org/10.1007/978-3-642-10844-0\_51.

#### **Year 2008:**

46. Umesh P., **Varaprasad G.**, "Design and Development of a Wireless Sensor Model for Vehicular Area Networks", **ACM SIGBED Review**, Vol.5, No.3, pp.1-5, October 2008, **DOI:**10.1145/1534490.1534491.
47. **Varaprasad G.**, Wahidabanu R.S.D., Venkataram P., "An Efficient Resource Allocation Scheme for Multimedia Applications in MANET", **Elsevier Journal of Network and Computer Applications**, Vol, 31, No.4, pp.577-584, January 2008, **DOI:**10.1016/j.jnca.2007.11.007, **Impact Factor:1.265**.

#### **Year 2007:**

48. **Varaprasad G.**, Wahidabanu R.S.D., Venkataram P., "New Power Aware Routing Algorithm for MANETs Using Gateway Node", **IEEE Conference on Parallel and Distributed Systems**, Taiwan, pp.1-4, December 2007, **DOI:** 10.1109/ICPADS.2007.4447824
49. **Varaprasad G.**, Wahidabanu R.S.D., Venkataram P., "New Algorithm for Effective Utilization of Bandwidth for Sensitive Applications", **IEEE Workshop on Communication, Network Technology Management**, pp.540-543, December 2007, **DOI:**10.1109/FGCN.2007.168.
50. **Varaprasad G.**, Wahidabanu R.S.D., Venkataram P., "New Resource Allocation Method for Sensitive Applications", **IEEE Conference on Wireless Communications and Sensor Networks**, pp.150-156, December 2007, **DOI:** 10.1109/FGCN.2007.168.

#### **Year 2005:**

51. Gowrishankar, **Varaprasad G.**, Raju G.T., Venkataram P., Wahidabanu R.S.D., "A Middleware for Distributed System in Heterogeneous Wireless Networks", **IEEE Confer-**

---

**LIST OF AWARDS/FELLOWSHIPS/TRAVEL GRANTS/SCHOLARSHIPS(SELECTIVE)**

The following a list of awards/fellowships/scholarships are received by me:

1. Research Award 2014-2016
2. IEEE Bangalore Section Journal Publication Award 2016
3. IEEE Bangalore Section Journal Publication Award 2015
4. Science and Engineering Research Board(SERB) Travel Grants
5. University Grants Commissions(UGC) Travel Grants 2012-13
6. Young Scientist Award(SEED MONEY)-2011-12
7. Department of Science and Technology(DST) Travel Grants 2014-15
8. Council of Scientific & Industrial Research(CSIR) Travel Grants 2013-14
9. Centre for International Cooperation in Science(CICS) Travel Grants 2014-15
10. Visvesvaraya Technological University Travel Grants 2013-14
11. Junior Research Fellow(JRF) in Engineering and Technology
12. Rotary Merit Scholarship

---

**ADDRESS****Present**

Dr.Varaprasad G., Ph.D.  
C%.Yallappa C.Y.(BMTC Conductor)  
Door No:63/4, Munewara Temple  
Nagashetty Halli, Bangalore 560 094.  
India, Mobile: +91-9449612596.  
Email:drvaraprasad@gmail.com

**Permanent**

Dr.Varaprasad G., Ph.D.  
S%.Chenchamma G.  
Kamalapadu(Village), Vajrakarur(MD)  
Anantapur(DT) AP:515 832, India.  
Phone: +91-08496-259118.  
Email:drvaraprasad@yahoo.com

---

**REFERENCES****RE1.**Dr.Wahidabanu R.S.D., Ph.D.

Principal, Government College of  
Engineering, Salem 636 011, India.  
Email:drsd.wahidabanu@gmail.com

**RE2.**Dr.Krishna Murthy S.R., Ph.D.

Ex-Principal/B.M.S.College of Engineering  
Bangalore 560 019, India.  
Email:drsrrkrishnam@gmail.com

**RE3.**Dr.Venkatesha M.K., Ph.D.

Principal, R.N.S.Institute of Technology  
Bangalore 560 061, India.  
Email:mkv2759@gmail.com

---

**SUMMARY**

❖ Total number of completed R&D projects	: 9.
❖ Total amount of completed R&D projects	: 1.30 Crores
❖ Total number of completed consultancy projects	: 3.
❖ Total number of ongoing consultancy projects	: 1.
❖ Total number of products/processes developed	: 10.
❖ Total number of textbooks	: 4.
❖ Total number of patents/copyrights(IPR) acquired	: 16.
❖ Total number of patents/copyrights(IPR) under process	: 3.
❖ Total number of papers published in journals	: 62.
❖ Total number of papers published in conferences	: 54.
❖ Total number of award/fellowships received	: 13.

---

**DECLARATION**

I hereby declare that all the above furnished information is true & it is best of my knowledge.

Place : Bangalore-19.

Date : 08/09/2018.

**(VARAPRASAD G.)**