

# CURRICULUM VITAE

**VARAPRASAD G.**

## PERSONAL DETAILS

**DOB** : 15/06/1978.  
**Gender** : Male.  
**Nationality** : Indian.  
**Phone** : +91-080-26622130-35/Ext:7001.  
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**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, Belguam-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 & Total Gross(Rs)
		From	To		
B.M.S.College of Engineering Bangalore-19.	Associate Professor -M.Tech.	07/2010	Till date	Teaching.	53,820, AGP:9,000 & 1,31,183.
	Assistant Professor -M.Tech.	07/2007	07/2010	Teaching.	14,520-420-18,300 & 65,000
	Lecturer -M.Tech.	08/2005	07/2007	Teaching.	9,925-275-13,500 & 30,000
Indian Institute of Science Bangalore-12.	Project Associate.	11/2004	07/2005	Research.	10,000P.M.

## AREAS OF INTERESTS

- ❖ Mobile Ad hoc Networks.
- ❖ Wireless Sensor Networks.
- ❖ Vehicular Area Networks.
- ❖ Agriculture/Coconut.

## LIST OF ADDITIONAL RESPONSIBILITIES(SELECTIVE)

**R01.**NBA Evaluator under TIRE-I scheme.

**R02.**NBA Evaluator under TIRE-II scheme.

**R03.**AICTE Expert Committee Member for Setting Up New Engineering Colleges.

- R04.** AICTE Expert Committee Member for Setting Up New Polytechnic Colleges.
- R05.** AICTE Expert Committee Member for AQIS Schemes.
- R06.** Board of Studies(BoS) Member, M.S.Ramaiah Institute of Technology, Bangalore.
- R07.** Board of Examiner(BoE) Member, NITTE Meenakshi Institute of Technology, Bangalore.
- R08.** Board of Examiner(BoE) Member, B.M.S.College of Engineering, Bangalore.
- R09.** Faculty Selection Committee Member at M.S.Ramaiah Institute of Technology, Bangalore and PES Institute of Technology, Bangalore.
- R010.** 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.

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

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

- T01.** 29/12/2015 Indian Institute of Technology Hyderabad, Hyderabad-502 205.
- T02.** 02/03/2013 Bhabha Atomic Research Centre, Mumbai-400 085.
- T03.** 15/01/2011 Indian Institute of Technology Bhubaneswar, Bhubaneswar-751 013.
- T04.** 17/07/2009 Indian Institute of Technology Hyderabad, Hyderabad-502 205.
- T05.** 14/11/2008 Indian Institute of Technology Kharagpur, Kharagpur-721 302.
- T06.** 05/06/2008 Indian Institute of Science Bangalore, Bangalore-560 012.
- T07.** 14/05/2008 Indian Institute of Technology Madras, Chennai-600 036.
- T08.** 02/07/2007 Indian Institute of Technology Delhi, New Delhi-110 016.
- T09.** 13/03/2007 Indian Institute of Technology Madras, Chennai-600 036.
- T10.** 14/11/2006 Indian Institute of Technology Kharagpur, Kharagpur-721 302.
- T11.** 21/07/2006 Indian Institute of Technology Guwahati, Guwahati-781 001.
- T12.** 14/03/2006 Indian Institute of Technology Madras, Chennai-600 036.

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

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

- TE1.** 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.
- TE2.** 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.

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#### **LIST OF PATENTS/COPYRIGHTS**

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

- ❖ No. of **Patents/Copyrights** acquired : 14.
- ❖ No. of **Patents/Copyrights** pending : 04.

**Granted:**

- P01.** Santhosh Hebbar, Praveenraj P., **Varaprasad G.**, "**Implementing Mobile ZigBee Module in Traffic Control System to Clear Way for Ambulance**", India, 2015, **Diary Number:** L-61923/2015.
- P02.** Santhosh Hebbar, **Varaprasad G.**, "**Android Based Mobile Phones for Submersible Pumps to Supply Drinking Water in Remote Areas**", India, 2015, **Diary Number:** L-61922/2015.
- P03.** Santhosh Hebbar, Praveenraj P., Rajeshwari Madli, **Varaprasad G.**, "**Sandalwood Tree Protection Using Bluetooth Version 4.0**", India, 2015, **Diary Number:** L-62831/2015.
- P04.** Santhosh Hebbar, Rajeshwarli Madli, Praveenraj Pattar, **Varaprasad G.**, "**Automatic Detection and Notification of Potholes and Humps on Roads to Aid Drivers**", India, 2015, **Diary Number:** 409/2015-CO/L.
- P05.** Santhosh Hebbar, Rajeshwari Madli, **Varaprasad G.**, "**Build It Yourself": Embedded Solutions at Your Fingertips**", India, 2014, **Diary Number:** 56955/2014-CO/L.
- P06.** 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, 2014, **Diary Number:** L-59851/2014.
- P07.** Rajeshwari S., Santhosh Hebbar, **Varaprasad G.**, "**Implementing Intelligent Traffic Control System for Congestion Control, Ambulance Clearance and Stolen Vehicle Detection**", India, 2014, **Diary Number:** L-60286/2014.

- P08.** 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, 2014, **Diary Number:**L-59912/2014.
- P09.** **Varaprasad G.**, "**Efficient Monitoring System for Vehicular Area Networks Using Zigbee Protocol**", India, 2013, **Diary Number:**L-53148/2013.
- P010.** Shilpa K., Akram S., **Varaprasad G.**, "**Voice Based Two-Factor Authentication System**", India, 2013, **Diary Number:**L-53151/2013.
- P011.** Kumar S., **Varaprasad G.**, Jyothi D.G., "**Design and Development of Efficient Monitoring System for Vehicular Area Networks**", India, 2013, **Diary Number:** L-53153/2013.
- P012.** Kumar S., Abhilash P.G., **Varaprasad G.**, Jyothi D.G., "**Violation Detection Method for Vehicular Area Networks**", India, 2013, **Diary Number:** L-53155/2013.
- P013.** Kiran G.S, Bhoolakshmi M., **Varaprasad G.**, "**Finding Stolen Mobile Phone over Cellular Technology**", India, 2007, **Diary Number:** L-28025/2007.
- P014.****Varaprasad G.**, "**New Multicast Algorithm for Saving Bandwidth in MANET**", India, 2007, **Diary Number:** L-28673/2007.
- Applied :**
- P015.** **Varaprasad G.**, Divya MN, Vagdevi, Shruthi K N., "**Analysis on Water Quality Monitoring Tools**", India, 2016, **Diary Number:** 10485/2015-CO/L.
- P016.** **Varaprasad G.**, Divya MN, Vagdevi, Shruthi K N., "**Bin Status Monitoring in Real Time to Avoid Garbage Overflow**", India, 2016, **Diary Number:**4802/2016-CO/L.
- P017.** Rajeshwari Madli, Santhosh Hebbar, Vishwanath Heddoori, **Varaprasad G.**, "**Intelligent Irrigation Control System using Wireless Sensors and Android Application**", India, 2015, **Diary Number:** 384/2015-CO/L.
- P018.** 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, 2011, **Diary Number:** 2533/CHE/2011.

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#### **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 : 06.
- ❖ No.of **Ongoing** Projects : 03.

**SP1.Principal Investigator** of project entitled "Development of Intelligent Traffic Control System by using RFID Technology", Sponsored by University Grants Commission, New Delhi, Government of India.

**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.43,50,000.

**SP2.Co-Principal Investigator** of project entitled "Instrumentation and Field Studies on In-situ Extraction of Tender Coconut Water from Coconut Tree", Sponsored by Department of Science and Technology, Government of India.

**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.24,27,600.

**SP3.Principal Investigator** of project entitled "Wireless Communication Laboratory" by Sponsored by All India Council for Technical Education, Government of India.

**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.8,34,000.

**SP4.Co-Principal Investigator** of project entitled "Multiple Extraction of Coconut Water From Tree", Sponsored by All India Council for Technical Education, Government of India.

**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.7,30,000.

**SP5.Principal Investigator** of project entitled "Violation Detection Method for Vehicular Ad Hoc Networking", Sponsored by Department of Information Technology, Biotechnology and Science and Technology(VGST), Government of Karnataka.

**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.4,00,000.

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#### LIST OF CONSULTANCY PROJECTS

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

❖ No.of **Completed** projects : 02.

❖ No.of **Ongoing** Projects : 02.

**CP1.Principal Investigator** of project entitled "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.35,000.

**CP2.Principal Investigator** of project entitled "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.20,000.

**CP3.Principal Investigator** of project entitled "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.55,000.

**CP4.Principal Investigator** of project entitled "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.45,000.

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

I made **61** journal publications. Herewith, I am providing a selective journal papers as:

❖ No.of **IEEE** Transactions/Journals/Magazines : 13.

❖ No.of **ACM** Transactions/Journals/Magazines : 07.

❖ No.of **Elsevier** Journals : 01.

❖ No.of **Wiley** Journals : 03.

❖ No.of **Inderscience** Journals : 05.

❖ No.of **Springer** Journals/Lecturer notes : 05.

❖ No.of **Other** Journals : 28.

#### IEEE Transactions/Journals/Magazines:

**J01.**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**.

**J02.**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", **IEEE Potentials**, 2016, **Manuscript ID**: POT-2015-0003, **HIndex:21 (To be appear)**.

**J03.**Santhosh Hebbar, Praveenraj P., **Varaprasad G.**, "Implementing Mobile Zigbee Module in Traffic Control System to Clear Way for Ambulance", **IEEE Potentials**, Vol.35, No.1, pp.19-23, January 2016, **DOI**: 10.1109/MPOT.2014.2341331, **H Index: 21**.

**J04.**Rajeshwari S., Santhosh Hebbar, **Varaprasad G.**, "Implementing Intelligent Traffic Control System for Congestion Control, Ambulance Clearance and Stolen Vehicle De

- tection", **IEEE Sensors Journal**, Vol.15, No.2, pp.1109-1113, February 2015, **DOI:10.1109/JSEN.2014.2360288**, **Impact Factor: 1.852**.
- J05.** 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**.
- J06.** Shivakumar, Suresh H.M., **Varaprasad G.**, "Designing Energy Routing Protocol with Power Consumption in MANET", **IEEE Transactions on Emerging Topics in Computing**, Specials issue on Computational Sustainability, Vol.2, No.2, pp.192-197, June 2014, **DOI:10.1109/TETC.2013.2287177**, **H Index:2**.
- J07.** 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**.
- J08.** Shivakumar, **Varaprasad G.**, Suresh, "Importance of On-demand Modified Power Aware Dynamic Source Routing Protocol in Mobile Ad-hoc Networks", **IEEE Microwave, Antennas and Propagation**, Special Issue on RF Energy Harvesting and Wireless Power Transfer for Autonomous Sensors, Vol.8, No.7, pp.459-464, May 2014, **DOI:10.1049/iet-map.2013.0230**, **Impact Factor: 0.836**.
- J09.** **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**.
- J10.** **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**.
- J11.** 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**.
- J12.** **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**.
- J13.** **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**.
- ACM Transactions/Journals/Magazines:**
- J14.** 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**.
- J15.** 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**.
- J16.** 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**.
- J17.** 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**.
- J18.** 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**.
- J19.** **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**.
- J20.** 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**.
- Wiley Journals:**
- J21.** 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: 0.72**.
- J22.** **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**.

**J23.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**.

**Inderscience Journals:**

**J24.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**.

**J25.**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**.

**J26.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**.

**J27.Varaprasad G.**, "Network Connectivity Based Power Aware Routing Algorithm for Mobile Ad Hoc Networks", **Inderscience International Journal of Ad hoc and Ubiquitous 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**.

**J28.**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**.

**Elsevier Journals:**

**J29.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**.

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**LIST OF REFEREED CONFERENCE PAPERS(SELECTIVE)**

I made **49** conference publications. Herewith, I am providing a selective list of conference publications as follows:

- ❖ No. of **IEEE** Conference Papers : 22.
- ❖ No. of **Other** Conference Papers : 27.

**C01.**Rajesh G.P., Praveenraj Pattar, Divya M.N., **Varaprasad G.**, "Near Field Application: NFC Smart Notice Board", **Accepted for IEEE Conference on Wireless and Optical Communications Networks**, July 2016.

**C02.**Santhosh Hebbar, Praveenraj Pattar, Rajeshwari Madli, **Varaprasad G.**, "Sandalwood Tree Protection Using Bluetooth Version 4.0", **IEEE Conference on Computing and Network Communications**, India, pp.626-632, December 2015.

**C03.**Shambhu Hegde, Harish V. Mekali, **Varaprasad G.**, "Pothole Detection and Inter Vehicular Communication", **IEEE Conference on Vehicular Electronics and Safety**, India, pp.84-87, December 2014.

**C04.**Kumar Sridharamurthy, **Varaprasad G.**, "Development of Efficient Traffic Monitoring Model for Vehicle Area Networks", **IEEE Conference on Information and Communication Technology Innovations**, Macedonia, pp.30-35, September 2014.

**C05.**Vasanth M., **Varaprasad G.**, "Advanced Mobility Management System For Wireless Mesh Networks Based on Pointer", **IEEE Conference on Information and Communication Technology Innovations**, Macedonia, pp.36-45, September 2014.

**C06.**Sandhya A. Kulkarni, **Varaprasad G.**, "Effective Routing Model For Delay Tolerant Network Applications", **IEEE Conference on Communication and Signal Processing**, India, pp.1373-1377, March 2014.

**C07.****Varaprasad G.**, "Estimation of Network Partition Problem in Mobile Ad Hoc Network", **IEEE Conference on New Visions for Information and Communication Technology**, Jordan, pp.45-51, November 2013.

**C08.**Shivakumar, **Varaprasad G.**, Suresh H.M., "Implementing a Power Aware QoS Constraints Routing Protocol in MANETs", **IEEE Conference on Computing, Communication and Networking Technologies**, India, pp.1-7, June 2013.

**C09.**Vinod Kumar N., Lakshmikantha H.A., **Varaprasad G.**, "Flash on a Set Top Box to Enhance Interactivity", **IEEE Conference on Advances in Computing and Networking**, Thailand, pp.24-27, June 2012.

- C10.**Vijay Anand H.M., **Varaprasad G.**, "Dynamic Key Management Method for Wireless Sensor Networks", **IEEE Conference on Wireless and Optical Communications Networks**, India, pp.1-5, September 2012.
- C11.**Manjula M., **Varaprasad G.**,"Implementation of Decoders for LTE Interface Messages", **IEEE Conference on Networking and Distributed Computing**, China, pp. 304-310, September 2011.
- C12.****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**, Malaysia, pp.38-44, July 2011.
- C13.****Varaprasad G.**, Wahidabanu R.S.D., "Flexible Routing Algorithm for Vehicular Area Networks", **IEEE Conference on Intelligent Transport Systems Telecommunications**, Japan, pp.30-38, November 2010.
- C14.****Varaprasad G.**, "Power Aware With the Survivable Routing Algorithm for Mobile Ad Hoc Networks", **IEEE Conference on Mobile Wireless Middleware, Operating Systems and Applications**, United States of America, pp.265-275, June 2010.
- C15.****Varaprasad G.**, "Query Based Approach Model for Mobile Commerce Applications in MANET", **IEEE Workshop on Wireless, Mobile Networks and Consumer Applications**, South Korea, pp.438-443, December 2009.
- C16.****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.
- C17.****Varaprasad G.**, Wahidabanu R.S.D., Venkataram P., "New Algorithm for Effective Utilizaion of Bandwidth for Sensitive Applications", **IEEE Workshop on Communication, Network Technology Management**, Korea, pp.540-543, December 2007.
- C18.**Bhoolakshmi M., **Varaprasad G.**, "Channel Scheduling for Down link Data Transmission at the MAC Layer of Base Station in the OFDMA System", **IEEE Workshop on Mobile Multimedia Information Retrieval**, Indonesia, pp. 229-135, December 2007.
- C19.****Varaprasad G.**, Wahidabanu R.S.D., Venkataram P., "New Resource Allocation Method for Sensitive Applications", **IEEE Conference on Wireless Communications and Sensor Networks**, India, pp.150-156, December 2007.
- C20.****Varaprasad G.**, Wahidabanu R.S.D., Venkataram P., "New Multicasting Algorithm for MANET using Support Node", **IEEE Workshop on Broadband and Wireless Computing, Communication and Applications**, Indonesia, pp.59-63, December 2007.
- C21.****Varaprasad G.**, Venkataram P., "The Analysis of Secure Routing in Mobile Adhoc Network", **IEEE Conference on Computational Intelligence and Multimedia Applications**, India, pp.393-397, December 2007.
- C22.**Gowrishankar, **Varaprasad G.**, Raju G.T., Venkataram P., Wahidabanu R.S.D., "A Middleware Architecture for Heterogeneous Network", **IEEE Conference on Parallel and Distributed Systems**, Japan, pp.654-658, July 2005.

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#### **LIST OF AWARDS/FELLOWSHIPS/SCHOLARSHIPS(SELECTIVE)**

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

##### **A01.Research Award**

Duration : 02/02/2015 to 01/02/2017.

Amount : Rs.43,50,000.

Granting Body: University Grants Commission, New Delhi.

##### **A02.IEEE Bangalore Section Journal Publication Award**

Duration : 2015 & 2016.

Amount : Rs.2,000.

Granting Body: IEEE Bangalore Section, Bangalore.

##### **A03.IEEE Information and Communications Technology Innovation Conference**

Duration : 09-12/09/2014.

Amount : Rs.1,74,422.

Granting Body: Science and Engineering Research Board(SERB), New Delhi.

Course : Participating ICT Conference at Ohrid, Macedonia.

##### **A04.IEEE Conference on Advances in Computing and Networking(ACN)**

Duration : 23-24/06/2012.

Amount : Rs.50,181.

Granting Body: University Grants Commissions, New Delhi.

Course : Participating ACN Conference at Bangkok, Thailand.

##### **A05.Young Scientist Award(SEED MONEY)-2011-12**

Duration : 2011-2012.

Amount : Rs.4,00,000.

Granting Body: Government of Karnataka.

**A06.IEEE Conference on Intelligent Transport Systems Telecommunications(ITST)**

Duration : 09-11/11/2010.  
 Amount : Rs.77,372.  
 Granting Body: Department of Science and Technology, New Delhi.  
 Course : Participating ITST Conference at Osaka, Japan.

**A07.Junior Research Fellow in Engineering and Technology**

Duration : 2002-2005.  
 Amount : Rs.9,875 P.M.  
 Granting Body: University Grants Commission, New Delhi.  
 Purpose : Ph.D.

**A08.Graduate Aptitude Test in Engineering**

Duration : 1999-2001.  
 Amount : Rs.2,500 P.M.  
 Granting Body: All Indian Council for Technical Education, New Delhi.  
 Course : M.Tech.

**A09.Rotary Merit Scholarship**

Duration : 1995-1999.  
 Amount : Rs.9,300 P.A.  
 Granting Body: Rotary Club, New Delhi.  
 Course : B.Tech.

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**SUMMARY**

- ❖ Total number of funded R&D projects (completed) : 06.
- ❖ Total number of funded R&D projects (ongoing) : 03.
- ❖ Total funded R&D projects amount (ongoing) : 0.75 Crore.
- ❖ Total number of interdisciplinary projects : 03.
- ❖ Total number of consultancy projects(completed) : 02.
- ❖ Total number of consultancy projects(ongoing) : 02.
- ❖ Total number of products/processes developed : 10.
- ❖ Total number of textbooks : 04.
- ❖ Total number of patents/copyrights(IPR) acquired : 14.
- ❖ Total number of patents/copyrights(IPR) under process : 04.
- ❖ Total number of journals published : 61.
- ❖ Total number of conference published : 49.
- ❖ Total number of award/fellowships received : 10.

**DECLARATION**

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

Place : Bangalore-19.

Date : 27/05/2016.

**(VARAPRASAD G.)**