

Department of Electronics & Communication Engineering

Pradnya H. Ghare
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Department of Electronics Engineering
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Areas of Specialization

- ▶ Cognitive radio,
- ▶ wireless sensor networks,
- ▶ Digital systems programming

Prominent Publications

- ▶ . P. H. Ghare, A.G. Kothari, “Addressing Scalability issue of medical body area networks with modified IEEE 802.15.4”, Journal of Medical Imaging and Health Informatics, vol.2, pp-1-5, 2012.

Other prominent (conference) publications:

- ▶ P. H. Ghare, Dr.Ashwin Kothari, , Dr. A.G.Keskar, “ Modification of 802.15.4 MAC for Body Area Networks Applications”, accepted at International Conference on Communication Systems and Technologies(ICCST) , 20-22 October 2010, UC Berkeley SanFrancisco. Included in the Proceedings of The World Congress on Engineering and Computer Science 2010 , pp225-230
- ▶ P. H. Ghare, Dr.Ashwin Kothari, , Dr. A.G.Keskar, “Modification of superframe structure of 802.15.4 MAC for Body Area Networks” presented at third international conference on Communication Systems and Networks(COMSNETS 2011), Bangalore, 3-5 January 2011. Included in IEEE explore.
- ▶ P. H. Ghare, Dr.Ashwin Kothari, , Dr. A.G.Keskar, “Evaluation of scalability issue of 802.15.4 MAC for Body Area Networks” presented at International Conference on signal Acquisition and Processing (ICSAP), 26-28 Feb 2011 , Singapore.

Achievements:

- ▶ A team of students guided by me got consolation prize in the Texa's instrument's national level project competition in 2012.

Administrative capabilities:

- Worked as teacher incharge for IEEE student chapter from 2009 to 2012.
- Worked as time table incharge for the department from 2010-12.
- Currently working as Departmental Exam Coordinator .