

Name: Kulkarni Kalyani Jitendra



#### Contact Details:

- 1) Email id: [kjk\\_entc@pvgcoet.ac.in](mailto:kjk_entc@pvgcoet.ac.in)
- 2) Phone Number with extension: 020-24228258-251
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#### Educational Qualification:

- 1) PhD (Cognitive Radios), Savitribai Phule Pune University, Pune (SPPU), Thesis submitted
- 2) ME (Electronics), Shivaji University, Kolhapur, 2002
- 3) BE ( Electronics & Telecommunication), Savitribai Phule Pune University, Pune (SPPU), 1991

#### Research Interests:

Game Theory, Cognitive Radios, Smart Grid Technology

**Field of Consultancy(Aspiring):** Communication Interface in Smart Grid, Music

Signal Processing, SEAMCAT for Network Planning

#### Consultancy offered:

Details:

- 1) Company Name:
- 2) Area:
- 3) Duration:

## Experience:

- 1) Industrial Experience (total years) : 01 year
- 2) Teaching Experience( total number of years): 22 years
- 3) Research Experience:

## Research Projects :

**1.Title: Raga Identification in Indian Classical Music using Digital Signal**

**Processing Techniques**

**2.Area: Signal Processing**

**3.Sponsoring Agency: BCUD, Savitribai Phule Pune University, Pune**

**4.Duration: 2013-15**

## Publications:

### 1) International Journals:

[1] K. J. Kulkarni and B. S. Chaudhari, "Nash Bargaining based Bandwidth Allocation in Cognitive Radio for Delay Critical Applications," ICTACT J. on Communication Technology, vol. 6, Issue 4, pp. 1167-1172, December 2015, ISSN 2229-6948

[2] K. J. Kulkarni and B. S. Chaudhari, "Development of Heuristic Crossover for Optimization of Utility Function in Cognitive Radio," International Journal of Industrial Electronics and Electrical Engineering, vol. 3, no. 9, pp. 78 - 81, September 2015

### 2) IEEE Xplore:

[1] K. J. Kulkarni and B. S. Chaudhari, "Enhancement of Capacity for MC-

CDMA based Cognitive Radio Networks using Non-Cooperative Game Model,” International Conference on Game Theory for Networks, ICGTN-2015, Chicago, USA, vol. 9, no. 10, October 2015. (In process)

3) **National Journals** -

4) **International Conferences** -

[1] K. J. Kulkarni and B. S. Chaudhari, “Enhancement of Capacity for MC-CDMA based Cognitive Radio Networks using Non-Cooperative Game Model,” International Conference on Game Theory for Networks, ICGTN-2015, Chicago, USA, vol. 9, no. 10, October 2015

[2] K. J. Kulkarni and B. S. Chaudhari, “Spectrum Sensing for Cognitive Radio Networks,” International Workshop on Low-Cost Wireless Networking organized by ICTP, Italy, ITU-BDT and I2IT Pune, January 2010

5) **National Conferences**

**Books Published:**

Title----authors----Publisher-----ISBN number

**PhD guidance:**

Sr.No----Name of student----Title of thesis----status(completed/ongoing)

**Professional Society Memberships:**

IEEE---membership number: 85026357

ISTE---membership number: LMISTE 29632

ISGF--(India Smart Grid Forum) (A Public-Private Trust of Ministry of Power,  
Government of India)

**Recognitions/ Awards:**

**Faculty Leadership Award by Indo-US Faculty Leadership Institute at Infosys,  
Mysore**