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| **DIPEN BEPARI** | **dipen.jpg** |
| **Qualification :** PhD- IIT(ISM), Dhanbad  M-Tech- NIT, Durgapur  B-Tech – Janlapguri Government Engineering College | |
| **Experience:** Three years Six months | |
| **Area of Interest:** Resource allocation in Cognitive Radio.  Energy Harvesting  Sensor networks | |
| **Subjects Taught:** Analog Communication  Digital Communication,  Wireless Communication  Digital Circuit | |
| **Research Publications:**  ***International Journal***   1. **Dipen Bepari**, Abhishake K. Bojja, B. Sandeep Kumar and Debjani Mitra, “A spectral distance based power control scheme for capacity enhancement of OFDM cognitive radio” *Wireless Personal Communications*, Vol. 90, no. 1, pp.157–173, April 2016. 2. **Dipen Bepari**, Debjani Mitra, “Improved power loading scheme for orthogonal frequency division multiplexing based cognitive radio” *IET Communications* , Vol. 9, No. 16, pp. 2033–2040, Nov 2015 3. Santasri Koley, **Dipen Bepari** and D. Mitra, “Band-Reconfigurable Monopole Antenna for Cognitive Radio Applications," *IETE Journal of Research*, vol. 61, no. 4, pp. 411-416, July 2015. 4. Rakesh Ranjan**, Dipen Bepari** and Debjani Mitra, "Genetic Algorithm Based Finite State Markov Channel Modeling," *International Journal of Wireless Communications and Mobile Computing*, Vol. 1, No. 4, pp. 96-102, Oct. 2013. 5. Dipen Bepari, Debjani Mitra “Performance of GA in Power Allocation for Underlay Cognitive Radio Systems” *Journal of Communications Technology and Electronics*, Accepted   ***International Conference***   1. Dipen Bepari and Debjani Mitra, “GA Based Optimal Power Allocation for Underlay Cognitive Radio Networks” *Proc. IEEE Int’l Conf. on Electronics and Communication System* (*ICECS* -2014), vol. 1, pp 242 – 247, Feb 2014, Coimbatore, India. 2. Arnab Nandi, Dipen Bepari and Sumit Kundu, "Optimal Transmit Power in Wireless Sensor Networks Using MRC Space Diversity in Presence of Shadow Fading", Proc. *IEEE Int’l Conf. on Computer and Communication Technology (ICCCT 2010)*, pp 28 - 34, Sep. 2010, Allahabad, India. 3. Arnab Nandi, Dipen Bepari, Jibin Jose and Sumit Kundu, "Optimal Transmit Power and Packet Size in Wireless Sensor Networks in Shadowed Channel", *Proc. Int’l Conf. on Control, Communication and Power Engineering 2010 (CCPE 2010*), pp. 76 - 81, July 2010, Chennai, India. 4. Prakash Pareek and Dipen Bepari, “Advances in Tin Based Group IV Alloys for Optoelectronic Devices” *IEEE Int’l Conf. on New Trends in Engineering & Technology* *(ICNTET 2018),* Accepted 5. Dipen Bepari, Pradeep Kumar and Santosh Kumar Choudhary “Impact of Primary Users Duty Cycle on Optimum Secondary Users in Cognitive Radio Systems” *9th IEEE Int’l Conf. on Computing, Communication And Networking Technologies (ICCCNT 2018),* Accepted*.* | |
| **No of Projects guided:**   |  |  | | --- | --- | | **UG** | **PG** | | **2** | **0** | | |