

PUBLICATIONS FROM THE THESIS

Papers in International Journals:

1. Harshasree, P., Annapurna, K & Seetha Ramanjaneyulu, B. (2015). Avoidance of Interference in Femtocells Through Information Sharing Using Control Channels. International Journal of Information Technology Infrastructure. 6-9.
2. Annapurna, K & Seetha Ramanjaneyulu, B. (2015). Spectrum Sensing Performance of Cognitive Radio under AWGN and fading Channel Conditions. International Journal of Research in Engineering and Technology. 480-484
3. Surajjaha, Sk., Annapurna, K & Seetha Ramanjaneyulu, B. (2016). GSP and VCG based Spectrum Sharing in Cognitive Radio Networks. International Journal of Research in Engineering and Technology (IJRET).480-483.
4. Supraja, K., Annapurna, K. & Seetha Ramanjaneyulu, B. (2016). Co-channel and adjacent channel interference in cognitive radio multi- user environment. International Research Journal of Engineering and Technology (IRJET)....
5. Annapurna, K., Seetha Ramanjaneyulu, B., Lakshmi Chaitanya, C. & Hymavathi, T. (2017) Spectrum Prediction in Cognitive Radio Networks using Neural Networks. International Journal of Control Theory and Applications. 143-148.
6. Priyanka, K., Annapurna, K., Bhavani, G. & Seetha Ramanjaneyulu, B. (2017). Frequency allocation planning to combat inter femto cell interference. Journal of Advanced Research in Dynamical and Control Systems.....
7. Anusha, L., Seetha Ramanjaneyulu, B. & Annapurna, K. (2017). Blocking Probability Analysis of wireless sensors that employ opportunistic spectrum access. International journal on informatics visualization. 96-100.
8. Annapurna, K & Ramanjaneyulu, B S. (2019). QoS Maintenance in Cognitive Radio Networks with Priority-Supporting Novel Channel Allocation Method. International Journal of Business Data Communications and Networking. 1-16.
9. Krishna Chaitanya, K, Meghalatha, CK, Annapurna, K & Seetha Ramanjaneyulu, B. (2018). Channel accessing and handoff mechanisms in TV white spaces based on channel sensing and database information. International Journal of Engineering & Technology. 12-14.
10. Annapurna, K, Meghalatha, CK & Seetha Ramanjaneyulu, B. (2018). Frequency Reuse for Coexistence of Secondary Users and Optimum Utilization of Bandwidth. International Journal of Engineering & Technology. 594-597.

(b) Papers in International Conferences:

1. Annapurna, K., Harsha Vardhan, V. & Seetha Ramanjaneyulu, B. (2013). Opportunistic Spectrum Access for Prioritized Secondary Users in Cognitive Radio Networks. International conference on Navigational Systems and Signal Processing Applications. 128-132.
2. Satish Kumar, K., Annapurna, K & Seetha Ramanjaneyulu, B. (2015). Supporting Real Time Traffic in Cognitive Radio Networks. IEEE conference proceedings (SPACES-2015). 482-485.
3. Annapurna, K., Seetha Ramanjaneyulu, B. (2016). GPS- Enabled Collaborative Sensing in Cognitive Radio Networks for efficient Spectrum Assignment. IEEE conference (RTEICT).
4. Annapurna, K., Seetha Ramanjaneyulu, B., Lakshmi Chaitanya, C. & Hymavathi, T. (2016). Spectrum prediction in cognitive radio networks using neural networks. ICAECS.
5. Annapurna, K., Seetha Ramanjaneyulu, B. (2017). Range-Bound Pricing of Channels in Multichannel Multiuser Cognitive Radio Networks. ICATccT.

6. Annapurna, K., Hymavathi, T. & Seetha Ramanjaneyulu, B. (2018). Spectrum Availability Prediction For Cognitive Radio Networks. International conference on 5G communications, applications and technologies.

(c) Papers in National Conferences:

1. Mani Kanta Kumar, K., Annapurna, K. & Seetha Ramanjaneyulu, B. (2013). Revenue to Spectrum Allots Through Efficient Allocation of Vacant Channels To Cognitive Radio Users. NCVSComs-13 69-75.
2. Annapurna, K., Harsha Vardhan, V. & Seetha Ramanjaneyulu, B. (2013). Priority Based Channel Allocations In Cognitive Radio Networks. proceedings of national conference NCIET .297-301.

CURRICULUM VITAE

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Date of Birth : 13th April 1979.

Gender : Female

Marital Status : Married

Educational qualifications:

Sl.No.	Course	University/ Board	Year of passing	specialization	Aggrega
1	Ph.D	VFSTRU	pursuing	Cognitive radio Networks	
2	M.Tech	JNTUH	2011	DSCE	79
3	B.Tech	ANU	2001	ECE	73.5
4	Diploma	SBTET	1997	DECE	69
5	SSC		1994	-	81

Experience:

Sl.No.	Name of the organization	Designation	Period
1	Vignan's University	Asst.Prof	2009 July-till date
2	VEC, Vadlamudi	Asst.Prof	2004July-2009July
3	NITS, Narayanpet	Asst.Prof	2001oct-2004 May

Research Publications:

1. Papers in International Journals:

1. Annapurna Kunchaparti, Sarada Musala, M.Nagu, " VHDL Simulation of DWT for image compression", International Journal of Graphics and Image Processing(IJGIP), vol.1,no.1, pp:54-57, August 2011.
2. Malothu Nagu, N.Vijay Shankar, K.Annapurna, " A Novel Method for Handwritten Digit Recognition with Neural Networks", International Journal of Computer Science and Information Technologies, Vol.2,No.4, pp:1685-1692, 2011.
3. Dama Dhana Lakshmi, K.Annapurna, " Design and implementation of an Enhanced LUT system in security based computation", International Journal of Engineering Trends and Technology (IJETT), Vol.4, No.8, pp:3308-3313, Aug 2013.
4. P. Harshasree, K. Annapurna , B. Seetha Ramanjaneyulu, "Avoidance of Interference in Femtocells Through Information Sharing Using Control Channels", International Journal of Information Technology Infrastructure, Volume 4, No.3,pp.6-9, May - June 2015.
5. K. Annapurna, B. Seetha Ramanjaneyulu, "Spectrum Sensing Performance of Cognitive Radio under AWGN and fading Channel Conditions", International Journal of Research in Engineering and Technology, Volume: 04 Issue: 06, pp.480-484,| June-2015.
6. Sk.Surajjaha, . K.Annapurna, B.Seetha Ramanjaneyulu, " GSP and VCG based Spectrum Sharing in Cognitive Radio Networks", International Journal of Research in Engineering and Technology (IJRET), vol.5, issue.6, PP-480-483, June 2016.

7. K.Supraja, K.Annapurna, B.Seetha Ramanjaneyulu,” Co-channel and adjacent channel interference in cognitive radio multi- user environment”, International Research Journal of Engineering and Technology (IRJET), vol.3, issue.6, June 2016.
8. K.Annapurna, B.Seetha Ramanjaneyulu, C.Lakshmi Chaitanya, T.Hymavathi, “Spectrum Prediction in Cognitive Radio Networks using Neural Networks”, International Journal of Control Theory and Applications, vol.10, issue.28, May 2017. ISSN: 0974-5572, pp. 143-148.(Scopus cited)
9. priyanka kedari, K.Annapurna, Bhavani Gaddipati and B.Seetha Ramanjaneyulu, “Frequency allocation planning to combat inter femto cell interference”, Journal of Advanced Research in Dynamical and Control Systems”, special issue, 2017. (Scopus cited).
10. L.Anusha, B.Seetha Rmanjaneyulu, K.Annapurna, “ Blocking Probability Analysis of wireless sensors that employ opportunistic spectrum access”, international journal on informatics visualization, vol.1, issue.3, 2017, pp.96-100, ISSN: 2549-9610. (Un paid).
11. Annapurna, K & Ramanjaneyulu, B S. (2019). QoS Maintenance in Cognitive Radio Networks with Priority-Supporting Novel Channel Allocation Method. International Journal of Business Data Communications and Networking. 1-16.
12. Krishna Chaitanya, K , Meghalatha, CK , Annapurna, K & Seetha Ramanjaneyulu, B. (2018). Channel accessing and handoff mechanisms in TV white spaces based on channel sensing and database information. International Journal of Engineering & Technology. 12-14.
13. Annapurna, K , Meghalatha, CK & Seetha Ramanjaneyulu, B. (2018). Frequency Reuse for Coexistence of Secondary Users and Optimum Utilization of Bandwidth. International Journal of Engineering & Technology. 594-597.

Papers in International Conferences:

1. K.Annapurna, V.Harsha Vardhan, Dr.B.Seetha Ramanjaneyulu, “ Opportunistic Spectrum Access for Prioritized Secondary Users in Cognitive Radio Networks”, International conference on Navigational Systems and Signal Processing Applications, ANU, 2013, pp:128-132.
3. K . Satish Kumar, K.Annapurna, B.Seetha Ramanjaneyulu, “ Supporting Real Time Traffic in Cognitive Radio Networks”, IEEE conference proceedings (SPACES-2015), KLU, pp:482-485
4. K.Annapurna, B.Seetha Ramanjaneyulu, “GPS- Enabled Collaborative Sensing in Cognitive Radio Networks for efficient Spectrum Assignment”, IEEE conference (RTEICT-2016), SVCE, Bangalore, May 2016.
5. B.Seetha Ramanjaneyulu, K.Annapurna, “ Femtocell channel allocations that reduce interferences and optimize bandwidths”, IEEE conference (ICCICCT 2016) , Noorul Islam Centre for higher education, Kanya Kumari Dt, December 2016.
6. K.Annapurna, B.Seetha Ramanjaneyulu, C.Lakshmi Chaitanya and T.Hymavathi, “Spectrum prediction in cognitive radio networks using neural networks” in ICAECS at VFSTR University, December 2016.
7. B.Seethe Ramanjaneyulu, K.Annapurna, priyanka kedari and Bhavani Gaddipati, “ Frequency allocation to combat inter femto cell interference”, in ICAECS at VFSTR University, December 2016.
8. K.Annapurna, B.Seetha Ramanjaneyulu, “Range-Bound Pricing of Channels in Multichannel Multiuser Cognitive Radio Networks”, in ICATccT, Tumkur.
9. Annapurna, K., Hymavathi, T. & Seetha Ramanjaneyulu,B.(2018). Spectrum Availability Prediction For Cognitive Radio Networks. International conference on 5G communications, applications and technologies.

(b) Papers in National Conferences:

1. Ms. M.Sarada, Ms.K.Annapurna, Mr.T.Pitchaiah, etc,“Efficient Optimization of Brain using Gradient Code Mutual Information”, National Conference on Recent Advances in Communications and Energy Systems (RACES-2011), VLITS, pp: 64-70.
2. K.Mani Kanta Kumar, K.Annapurna, B.Seetha Ramanjaneyulu, “ Revenue to Spectrum Allotes Through Efficient Allocation of Vacant Channels To Cognitive Radio Users”, NCVSComs-13 conference Proceedings, VU, pp:69-75.
3. K.Annapurna, V.Harsha Vardhan, B.Seetha Ramanjaneyulu, “Priority Based Channel Allocations In Cognitive Radio Networks”, proceedings of national conference NCIET 2013, GEC, pp:297-301.

K. ANNAPURNA