

## Srikanth Jannu

**Department** : Computer Science & Engineering  
**Faculty ID** : VEC-1021  
**Designation** : PROFESSOR  
**Years of Experience** : 7 years  
**Employment Status** : Full Time - Ratified by JNTUH  
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**Phone** : +91-9704113008  
**Date of Birth** : 15 August, 1983  
**Areas of Specialization** : Wireless Sensor Networks, Design and Analysis of Algorithms, Internet of Things (IoTs), Information Retrieval Systems



### Qualifications:

Degree	College/University	Year
Ph.D. in Computer Science and Engineering	IIT Dhanbad	2017
M.Tech. in Computer Network Engineering	The National Institute of Engineering, Mysore	2008
B. Tech., in Computer Science and Engineering	JNTU, Hyderabad	2005

### Recent Professional Activities

#### Invited Speaker and Organizer

1. Invited talk in Intl. Conf. on Machine Learning and Computational Intelligence at Shri Mata Vaishno Devi University, Katra, J & K, during 28<sup>th</sup> – 29<sup>th</sup> Sep. 2017.
2. Organized a Faculty Development Program on Soft Computing at Vaagdevi College of Engineering, Bollikunta, Warangal, during 19th - 24th June 2017.

#### Advisory Committee Member/ Editor/Reviewer

1. Technical Advisory Committee Member of International Conference on Machine Learning and Computational Intelligence (ICMLCI - 2017) at Shri Mata Vaishno Devi University, Katra, J & K, during 28<sup>th</sup> – 29<sup>th</sup> Sep. 2017.
2. Guest Editor International Journal of Applied Evolutionary Computation (IJAEC), IGI Global Publishers.
3. Editorial Board Member for the Journal of Electronics Science Technology and Application (ESTA), Universe Scienti\_c Publishing 2017 - till date.
4. Reviewer for International Conference on Advances in Computing, Communications and Informatics (ICACCI) 2016. (IEEE Conference)
5. Reviewer for International Conference on Integrated Intelligent Computing, Communication & Security (ICIIC - 2018) (Springer Conference)
6. Reviewer for Journal of Wireless Personal Communications, Springer.

#### Workshops/Short Term Courses

1. Participated a Two weeks days faculty development program on "Machine Learning in Speech Processing", organized by Department of Computer Science and Engineering at Kakatiya Institute of Technology and Science, Warangal during December 11th to December 22<sup>nd</sup>, 2019.
2. Organized a seminar entitled "The Key Enablers and Challenges for 5G Technologies" on 14<sup>th</sup> Sep. 2018 (Speaker is from Sant'Anna, University Pisa, Italy)

3. Participated in short term certificate course on Data Structures & Algorithms organized by Dept. of Computer Science & Engineering IIT – ISM (Dhanbad) during June 16<sup>th</sup> – 20<sup>th</sup>, 2014.
4. Participated professional Development Programme on Data Mining and Its Applications organized by Department of Computer Science and Engineering IIT- ISM (Dhanbad) during February 27<sup>th</sup> to March 3<sup>rd</sup>, 2017.
5. Participated in a Ten days workshop on Internet of Things organized by Department of Computer Science and Engineering at NIT Warangal during December 30<sup>th</sup> to January 8<sup>th</sup>, 2018.

## Subjects Taught

Soft Computing, Design and Analysis of Algorithms, Data Structures, Computer Networks, Computer Organization, Operating Systems

## Papers Published

1. Srikanth Jannu and Prasanta K. Jana. "A grid based clustering and routing algorithm for solving hot spot problem in wireless sensor networks." *Wireless Networks* (Springer), vol. 21, no. 7, pp. 1-16, 2015 (SCI) (Impact factor 2.405).
2. Kanapala, Ambedkar, Srikanth Jannu, and Rajendra Pamula. "Summarization of legal judgments using gravitational search algorithm." *Neural Computing and Applications* (Springer): PP. 1-9. DOI <https://doi.org/10.1007/s00521-019-04177-x> (SCI) (Impact factor 4.664).
3. Kanapala, Ambedkar, Srikanth Jannu, and Rajendra Pamula. "Passage based Text Summarization for Legal Information Retrieval" *Arabian Journal for Science and Engineering* (Springer): PP. 1-11, 2019 <https://doi.org/10.1007/s13369-019-03998-1> (SCI) (Impact factor 1.518).
4. Srikanth Jannu, Suresh Dara, Katha Kishor Kumar and Sabitha Bandari "GSA based Energy Efficient Algorithms for Hotspot Problem in Wireless Sensor Networks" *Journal of Intelligent and Fuzzy Systems* (JIFS), IOS Press, Netherlands (Communicated) (SCI) (Impact Factor 2015: 1.004)
5. Srikanth Jannu and Prasanta K. Jana. "Maximizing lifetime of wireless Sensor Networks: A novel energy harvesting based approach." *IEEE Transactions on Wireless Communications* (IEEE) (SCI) (Communicated) (Impact factor 5.888).
6. Srikanth Jannu and Prasanta K. Jana. "ACO based algorithms for maximizing network lifetime of wireless sensor networks." *Journal of Super Computing* (Springer) (SCI) (Communicated) (Impact factor 1.532).
7. Srikanth Jannu and Prasanta K. Jana. "Energy efficient grid based clustering and routing algorithms for wireless sensor networks." *Proc. of Intl. Conf. on Communication Systems and Network Technology* (IEEE), Bhopal, pp. 63-68, 2014.
8. Srikanth Jannu and Prasanta K. Jana. "Energy efficient unequal clustering and routing algorithms for wireless sensor networks." *Proc. of Intl. Conf. on Advances in Computing Communications and Informatics* (IEEE), New Delhi, pp. 2091-2097, 2014.
9. Srikanth Jannu and Prasanta K. Jana. "Energy efficient algorithms for hot spot problem in wireless sensor networks." *Proc. of Second International Conference on Computer and Communication Technologies* (AISC, Springer India), Hyderabad, pp. 509-517, 2016.
10. Srikanth Jannu and Prasanta K. Jana. "Maximizing network lifetime of wireless sensor networks: An energy harvesting approach," *Proc. of Intl. Conf. Signal, Networks, Computing and Systems*, (LNCS, Springer), New Delhi, pp.33-339, 2016.
11. Srikanth Jannu and Prasanta K. Jana. "Energy efficient algorithms to maximize lifetime of wireless sensor networks", *Proc. of Intl. Conf. Advances in Computing Communications and Informatics*, (IEEE) Jaipur, pp. 63-68, 2016. (Best paper award)
12. Srikanth Jannu, Suresh Dara, Katha Kishor Kumar and Sabitha Bandari "Efficient Algorithms for Hotspot Problem in Wireless Sensor Networks: Gravitational Search Algorithm," *proc. International Symposium on Intelligent Systems Technologies and Applications* (ISTA'17) (AISC, Springer, Germany), pp. 41-53, 2017.