



Full name	<i>Title</i>	<i>First name</i>	<i>Second name(s)</i>	<i>Family name</i>
	Dr.	Avatharam		Ganivada
Present position	Asst. Professor			
Organisation/Employer	School of Computer and Information Sciences, University of Hyderabad			
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1b. Academic qualifications

- Ph. D. degree in Computer Science And Engineering from Calcutta University (research work carried out at Center for Soft Computing Research, Indian Statistical Institute, during Dec., 2009--Aug. 2015).
- Certificate course on soft computing and machine learning, Center for Soft Computing Research, Indian Statistical Institute, Kolkata, during Sep., 2008--Mar., 2009.
- M. Tech. degree in Computer Science And Technology from University of Mysore, during Aug., 2006--Jul., 2008.

1c. Professional positions held

- Asst. Professor, SCIS, University of Hyderabad, Mar., 2017—Present.
- Data Scientist, ProKarma Soft. Pvt. Ltd., Hyderabad, Sep., 2015--Feb., 2017.

1d. Present research/professional speciality

- **On-going research/projects:**
Ph.D.: 02
M. Tech.: 03
M. C.A.: 01
- **Completed projects:**
M. Tech.: 02
- **Courses taught:**
Data File Structures
Object Oriented Design and Analysis
Computer Based Numerical And Statistical Methods
Neural Networks
Java Lab on Object Oriented Design concepts.
IT lab on MS word, Linux, Latex, etc.
- **Classes taken:**
M.Tech.--I.
IM.Tech.--II
M.C.A.--I
S.I.S. (School of Integrated Studies)--I.
- **Present Research Collaborator:**
Prof.S. K. Pal., Distinguished Scientist, CSCR, Indian Statistical Institute.

1e. Total years research experience

9 years (including experience gained in Ph.D.)

1f. Professional distinctions and memberships (including honours, prizes, scholarships, boards or governance roles, etc)**Source of Fellowship:**

- For pursuing Ph.D., a project linked to J. C. Bose Fellowship of Prof. S. K. Pal, Indian Statistical Institute, during Dec., 2009 --Aug., 2015.
- For pursuing M. Tech., AICTE GATE fellowship, during Aug., 2006--Jul., 2008.

Reviewer:

- IEEE Trans. Fuzzy Systems (present)
- Applied soft computing, Neuro computing, Fuzzy sets and systems, Information sciences, and IEEETrans. Cybernetics. (for the last five years)

1g. Total number of <i>peer reviewed</i> publications and patents	Journal articles	Monographs	Edited Books	Chapters
	05	01		01

2a. Research publications and dissemination**Peer-reviewed journal articles/Book Chapters (Selected, Up to 10)****International Journals:**

- A. Ganivada and S. K. Pal, "Granular Competitive Learning Based Self-Organizing Map for Clustering Microarray" revised version to be submitted in NN.
- S. S. Ray, A. Ganivada and S. K. Pal, "A Granular Self-Organizing Map for Clustering and Gene Selection in Microarray data", IEEE Trans. Neural Networks and Learning Systems, vol. 27, no. 9, pp. 1890--1906, 2016 (IP:11.45).
- A. Ganivada, S. S. Ray and S. K. Pal, "Fuzzy Rough Sets, New Granular Neural Networks for Unsupervised Feature Selection", Neural Networks, vol. 48, pp. 91--108, 2013 (IP: 5.75).
- A. Ganivada, S. S. Ray and S. K. Pal, "Fuzzy Rough Granular Self-Organizing Map and Fuzzy Rough Entropy", Theoretical Computer Science, vol. 466, pp. 37--63, 2012 (IP: 0.9).
- A. Ganivada, S. Dutta, and S. K. Pal, "Fuzzy Rough Granular Neural Networks, Fuzzy granules and Classification", Theoretical Computer Science, vol. 412, pp.5834--5853, 2011 (IP: 0.9).
- A. Ganivada and S. K. Pal, "A Novel Fuzzy Rough Granular Neural Network for Classification", International Journal in Computational Intelligence Systems, vol. 4, no. 5, pp.1042--1051, 2011. (IP: 0.3).

Book Chapter:

- A. Ganivada, S. S. Ray, and S. K. Pal, "Fuzzy rough granular neural networks for pattern analysis", in Pattern Recognition and Big Data, S. K. Pal and A. Pal (eds.), pp. 487-511, World Scientific, Singapore, 2016.

Authored Books (Selected Up to 5)

- S. K. Pal, S. S. Ray, and A. Ganivada, "Granular Neural Networks, Pattern Recognition and Bioinformatics", Series: Studies in Computational Intelligence, Springer-Verlag, Heidelberg, vol. 712, 2017.

Other Publications

- A. Ganivada, "Generalized Fuzzy Rough Sets Based on New Similarity Relation", in 11th Int'l. Conf. SoftComputing and Pattern Recognition, India, LNCS, Dec., 2019.
- S. Ahmad, R. Pal and A. Ganivada, "Rank Level Fusion of Multimodal Biometrics Based on Cross Entropy Monte Carlo Method", in 5th Int'l Symp. on Signal Processing and Intelligent Recognition Systems, India, LNCS, Dec., 2019.

- A. Ganivada, S. S. Ray, and S. K. Pal, "Fuzzy Rough Self Organizing Map", in 6th Int'l. Conf. RoughSets and Knowledge Technology, Canada, pp. 659-668, Aug., 2011.
- A. Ganivada and S. K. Pal, "Robust granular neural networks, Fuzzy granules and Classification", in 5thInt'l. Conf. Rough Sets and Knowledge Technology, China, pp. 220-227, Sep., 2010.