



# Dr. Y. Srinivasarao, Ph.D.

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## Employment History

- 2011 – 2019     **Assistant Professor** in the Department of IT & MCA in Vignan's Lara Institute of Technology Science, Vadlamudi.
- 2019 – 2022     **Assistant Professor** in the Department of MCA, in KBN College, Vijayawada.

## Education

- 2024     **Ph.D., Dravidian University.**  
Thesis title: *Quality of Service (QoS) Wireless MAC Protocol Using Network Load Adaption.*
- 2012     **M.Tech. Vignan University** in Information Technology with an aggregate of 75% .  
Project title: *Multiple Routing Configurations for Fast IP Network Recovery..*
- 2008     **MCA. ASN Degree and PG College**, with an aggregate of 75% .

## SUBJECTS DEALT

-  Big Data.
-  Programming in C.
-  OOPS through Java.
-  Interactive Computer Graphics.
-  Computer Networks.
-  Advanced Java and Web Technology.
-  E-Commerce.
-  Design And Analysis of Algorithms.

## Research Publications

### Journal Articles

- 1    Y. Srinivasa Rao and M. Ali Hussain, "Adaptive quality of service medium access control protocol for IEEE 802.11 based mobile ad hoc network," *Int J Innov Technol Explor Eng*, vol. 8, no. 4, pp. 430–433, 2019.
- 2    Y. Srinivasa Rao and M. A. Hussain, "Analytical Approach to Estimate the Occurrence of Bottleneck Node in Multi-hop Communication Network," *International Journal of Research in Electronics and Computer Engineering (IJRECE)*, vol. 7, no. 1, pp. 1–8, Jan. 2019.
- 3    Y. Srinivasa Rao and M. A. Hussain, "Dynamic MAC protocol to enhancing the quality of real time traffic in MANET using network load adaptation," *Journal of Advanced Research in Dynamical and Control Systems*, vol. 10, no. 7, pp. 1612–1617, 2018.
- 4    R. Yedukondalu and Y. Srinivasa Rao, "Secure communication in online social networks by using access control policies," *International Journal of Application or Innovation in Engineering & Management (IIAIEM)*, vol. 2, no. 8, p. 148, Aug. 2013, ISSN: 2319-4847.

- 5 M. Ali Hussain and Y. Srinivasa Rao, "Energy conservation techniques in Ad hoc networks," *Int. J. Comput. Sci. Inf. Technol*, vol. 2, no. 3, pp. 1182–1186, 2011.

## Book Chapters

- 1 Y. Srinivasarao and A. Bhardwaj, "D2D Communication in 6G Network," in *Edge Enabled 6G Networking*, Springer, 2024.

## Conference Proceedings

- 1 A. Bhardwaj and Y. Srinivasa Rao, "Optimizing Energy Efficiency in Video Multicasting Over 5G Networks Through D2D Communication," in *proc.ICCCNT*, IEEE, 2024, pp. 1–6.
- 2 Y. Srinivasa Rao and A. Bhardwaj, "Complexities of Secure Communication in D2D-Enabled 5G Networks: A Review," in *proc.INDISCON*, IEEE, 2024, pp. 1–6.

## Patents

- 1 M. Manisha, Y. Srinivasa Rao, and A. Bharadwaj, "A system for optimizing resource allocation in a hybrid network and a method thereof," Patent 202 341 028 276, Published in the Patent Office Journal, 2023.

## Miscellaneous Experience

### Awards and Achievements

- 2019 ■ **APSET Qualified**, the Andhra Pradesh State Eligibility Test (APSET), conducted by Andhra University.

### Certification and Workshops

- Completed CIT Teacher Training Program phase-1 and phase-2 with mastery at Vignan University, Guntur" Conducted by EnhanceEdu IIIT Hyderabad.
- 3 days workshop on cyber security and ethical hacking by The Tech Intern Incorporation.
- 6 days workshop on Machine Learning conducted by NIT, Warngal
- 6 days FDP on Network Security conducted by JNTUK.

## Declaration

I hereby declare that all the above-furnished information and particulars are true to my knowledge.

Place:

Date:

(Y. Srinivasa Rao)