

## **Abstract**

In regard to network testing, the terms emulation and simulation are often used interchangeably. In most cases, either term will generally get the point across, but there's a big difference between a network emulator and network simulator, both practically and semantically. Insight of few network simulators (like NS2, Omnet) and emulators (ns3 and others) are demonstrated. In addition, tools allow you to debug and resolve existing implementations, e.g., runtime problems, more quickly and easily compared.

## **BIO**

Gururaj H L joined the Department of Computer Science and Engineering at Malnad College of Engineering (India), as Assistant Professor in July 2013. Currently he is working as an Assistant Professor in Computer Science and Engineering, Vidya Vardhaka College of Engineering, Mysuru (India).

He has been involved in research projects in a range of settings including, agriculture, health, education, arts, culture, and community. He leads the research, design and development community WiNG- Wireless inter Networking Group (<http://www.wing.vvce.ac.in>).

He is a multidisciplinary Computer Scientist who has worked on Computer Network and its Applications for the past 08 years. He has worked on QoS Aware Network Congestion Control, Network Security, Cloud Computing and Machine Learning is tremendous. He delivered many technical talks and honored as Resource Person in various National workshops on Cyber Security and Network Simulators. He is an ACM Distinguished Speaker from 2018.