Profile Page

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Department	:	Computer Science & Engg.	
Qualification	:	Ph.D. Computer Science and Engineering (National Institute of Technology Warangal) M. Tech Computer Science (School of Information Technology (A), JNTU Hyderabad) B. Tech Computer Science and Engineering (Mahaveer Institute of Science and Technology, JNTU Hydearabad)	
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Research Interests :

Edge Computing, Wireless Networks, Vehicular Networks and UAV Networks.

Other Profile Links :

Google Scholar Link :

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Journal Publications :

Year	Journal	Publication
2023	Ad Hoc Networks (Elsevier) 140 (2023): 103051.	Manoj Kumar Somesula and Rashmi Ranjan Rout and D. V. L. N. Somayajulu. "User Preference Learning based Cooperative Cache Placement for Mobile Edge Networks with Adaptive User Clustering."
2023	IEEE Systems Journal (2023) (Early Access)	Manoj Kumar Somesula, Sai Krishna Mothku, and Sudarshan Chakravarthy A. "Cooperative Service Placement and Request Routing in Mobile Edge Networks for Latency-Sensitive Applications"
2022	Computer Networks (Elsevier). 209, (2022): 108876.	Manoj Kumar Somesula, Rashmi Ranjan Rout, and D. V. L. N. Somayajulu. "Cooperative Cache Update using Multi-Agent Recurrent Deep Reinforcement Learning for Mobile Edge Networks."
2022	Mobile Networks and Applications (Springer) 27, no. 5 (2022): 2100-2117.	Manoj Kumar Somesula, Anusha Kotte, Sudarshan Chakravarthy A, and Sai Krishna Mothku. "Deadline-Aware Cache Placement Scheme Using Fuzzy Reinforcement Learning in Device-to-Device Mobile Edge Networks."

2022	Wireless Networks (Springer) 29, (2023): 569–588.	Manoj Kumar Somesula, Sai Krishna Mothku, and Anusha Kotte. "Deep Reinforcement Learning Mechanism for Deadline-aware Cache Placement in Device-to-Device Mobile Edge Networks."
2021	Wireless Networks (Springer) 27, no. 4 (2021): 2409-2429	Manoj Kumar Somesula, Rashmi Ranjan Rout, and D. V. L. N. Somayajulu. "Deadline-aware caching using echo state network integrated fuzzy logic for mobile edge networks."
2021	Computer Networks (Elsevier) 193, (2021): 108062	Manoj Kumar Somesula, Rashmi Ranjan Rout, and D. V. L. N. Somayajulu. "Contact duration-aware cooperative cache placement using genetic algorithm for mobile edge networks."

Professional Affiliations :

Designation	Organization
Member	IEEE
Member	IEEE Communications Society
Member	ACM