



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade & NBA (Under Tier - I), ISO 9001:2015 Certified Institution

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Network and Cloud Computing Security Research Group

INTRODUCTION:

The **Network and Cloud Computing Security Research Group** in the **Department of Computer Science and Engineering** at **Laki Reddy Bali Reddy College of Engineering** is dedicated to advancing research in the fields of secure networks and cloud infrastructure. The group focuses on topics like cryptographic protocols, network security, cloud data protection, intrusion detection systems, and privacy-preserving technologies. Equipped with modern laboratories and high-performance computing resources, the group enables both students and faculty to explore security challenges in emerging network architectures and cloud platforms.

Guided by a team of highly qualified faculty members, the research group encourages active participation in cutting-edge research. By organizing workshops, guest lectures, and seminars with industry and academic experts, the group keeps its members updated on the latest developments in the field. Additionally, the faculty supports students in publishing research papers in reputable journals and applying for research grants, fostering an environment of innovation and knowledge sharing.

Objectives of the Network and Cloud Computing Security Research Group

1. **To design and develop secure network models and cloud computing architectures** to protect against cyber threats and ensure data privacy.
2. **To conduct faculty and student colloquiums** for the exchange of ideas and knowledge on recent advancements in network and cloud security.
3. **To organize workshops, faculty development programs (FDPs), and guest lectures** by experts from industries and research institutions on security technologies and their applications.
4. **To utilize available research infrastructure and produce high-quality publications** on network and cloud security.
5. **To submit research proposals** for funding from agencies like AICTE, UGC, and DST to further network and cloud security research.
6. **To encourage students and faculty** to engage in research activities and submit papers to reputed SCIE, Scopus, and UGC-listed journals.
7. **To enhance the quality of B.Tech projects** by integrating secure cloud and networking practices into project development.

Members of Network and Cloud Computing Security Research Group:

S.NO	Name of the Member	Designation
1	Dr. Y. Vijay Bhaskar Reddy	Coordinator
2	Dr.M.Srinivasa Rao	Members
3	Dr. D. Veeraiah	
4	Dr. M. Sitha Ram	
5	Dr. B. Siva Rama Krishna	
6	Mr. G.V. Suresh	
7	Mr. S. Govindu	
8	Mr. Sk. Johnny Basha	
9	Mr. T.N.V.S. Praveen	
10	Mr.N.Srikanth	
11	Ms. Ch.Naga Mani	
12	Mr.O.Venkata Siva	
13	Mr.P.Rajasekhar	

JOURNALS

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2. **Fog-Sec: Secure end-to-end communication in fog-enabled IoT network using permissioned block chain system, Erukala Suresh Babu, Mekala Srinivas Rao, Gandharba Swain, A. Kousar Nikhath, RajeshKaluri, Int J Network Mgmt., 1099-1190, pno:1-28, Aug-2023,1055-7148<https://doi.org/10.1002/nem.2248>**
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8. **“Enabling DNS Security through Permissioned Blockchain”, Duggineni Veeraiah; Shaik Johny Basha;** Shaik Beebi Fathima; Yalavarthi Saraswathi Satwika, 2024 International Conference on Inventive Computation Technologies (ICICT), Conference Location: Lalitpur, Nepal,Date: 07 June 2024, ISSN Information: Electronic ISSN: 2767-7788, Print ISSN: 2767-777X.<https://ieeexplore.ieee.org/document/10544517>
9. **“The Effect of Prerequisite Engineering Processes on the Production of Risk Factors in Software Development”** , M. Sitha Ram, Satyanarayana Mummana, Katakam Ranga Narayana, Ramana Babu Budimure, Raghupatruni Manikanteswara Rao & ChandraSekhar Akula, 2nd International Conference on Data Science and Artificial Intelligence (ICDSAI) 2023,vol. 438, May-24, ISSN NO:978-3-031-51163-9.
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