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**Designation :** Assistant Professor

**Department :** Department of Computer Science and Engineering

(JOINED THE INSTITUTE IN 2022)

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## RESEARCH INTERESTS

Cloud Computing Security:
- ✓ Security of User Authentication in Cloud based Applications.
- ✓ Colluder detection and defensive mechanism

Graph model and model testing:
- ✓ Graph model using Petri net and Coloured Petri Net
- ✓ Model Testing using UPPAAL/ NuSMV

## Academic Qualifications

Ph. D. (Cont.), NIT Jamshedpur, India

M.Tech. (CSE) BPUT, Odisha

B.E. (IT) Berhampur University, Odisha

## Teaching Experience/Industrial Experience/Research Experience
- ✓ 9 years in Teaching
- ✓ 3 years in Industry

## PUBLICATIONS

### JOURNAL& CONFERENCES

[1]. **Mishra, K.C.**, Dutta, S. "Colluder détection in SaaS Cloud applications with subscription based license", *Multimed Tools Applications* (2022) DOI : 10.1007/s11042-022-13825-9

[2]. Kumar, Vinay, **K C Mishra**, et.al. "Reliability analysis and safety model checking of Safety-Critical and control Systems: A case study of NPP control system." *Annals of Nuclear Energy*, 166 (2022): 108812, Elsevier, DOI : 10.1016/j.anucene.2021.108812

[3]. S Madhvi, **K C Mishra**, et. al. "Comparison of Different Multi-hop Algorithms to Improve the Efficiency of LEACH Protocol." *Wireless Personal Communications* 118, no. 4 (2021): 2505-2518, Springer, DOI : 10.1007/s11277-021-08140-9

## ANY OTHER

### Book Chapter
### Conferences attended

[1]. M Sandeep, S. Dutta, and **K C Mishra**. "Trust Management in Internet-of-Things Devices." *Security of Internet of Things Nodes: Challenges, Attacks, and Countermeasures* (2021): 281. Chapman and Hall/CRC

[2]. G Arindam, S Dutta, **K C Mishra**, and S Neogy. "IoT Middleware Technology: Review and Challenges." *Interoperability in IoT for Smart Systems* (2020): 71-90, CRC Press

[3]. M Sandeep, **K C Mishra**, S Dutta, and S Mistry. "Security Issues and Challenges in IoT." *Interoperability in IoT for Smart Systems* (2020): 115-136, CRC Press

### PATENTS

[1]. Patent Title : **Dynamic Multistage User Authentication**
Patentee Names : **K. C. Mishra**, S. Dutta
Patent Application Number : 202231008515
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