# Srinivas University

## Mangalore - India



## Cyber Forensic Research Centre

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### 1. Purpose of CFRC:

*To facilitate the purpose of advancing scholarly activity in cyber forensics primarily through collaborative research, research training, research dissemination, or creative endeavors.*

### 2. Objective of CFRC:

*To undertake, aid, promotes and coordinate research and to spread the arena of research in cyber forensics throughout the world.*

### 3. Description on Proposed Research:

*The purpose of cyber forensics research is to uncover critical difficulties and close gaps in evidence retrieval from digital devices, which is critical in court of law. With the rapid progress of technology, crime is also reaching an all-time high, fueled by the online world. At this point, cyber forensic investigation is critical for identifying and repairing gaps. The ultimate outcome of this research is intended to be a more precise assessment of the research goals and roadblocks in the field of cyber forensics.*

### 4. Expected Outcome:

*Cyber forensic research will close the gap in seizing, preserving, analyzing, interpreting, and reporting cyber forensic evidence, all of which are critical in a court of law. As anonymity is one of the most difficult aspects of identifying a perpetrator in the internet world, study in this field will shed more insight on tracing and apprehending the perpetrator.*

### 5. List of the Team Members:

*Abdul Shareef Pallivalappil (Research Scholar)*

### 6. List of Working Papers:

1. *"Quantifying the need for supervised machine learning in conducting live forensic analysis of emergent configurations (ECO) in IoT environments," Forensic Sci. Int. Reports. V. R. Kebande, R. A. Ikuesan, N. M. Karie, S. Alawadi, K.-K. R. Choo, and A. Al-Dhaqm,*

2. *"CDBFIP: Common database forensic investigation processes for Internet of Things," A. Al-Dhaqm.*

3. *"Ontology-driven perspective of CFRaaS," WIREs Forensic Sci. V. R. Kebande, N. M. Karie, R. A. Ikuesan, and H. S. Venter,*

4. *"A review of mobile forensic investigation process models," A. Al-Dhaqm, S. A. Razak, R. A. Ikuesan, V. R. Kebande, and K. Siddique,*

5. *"Proactive Forensics: Keystroke Logging from the Cloud as Potential Digital Evidence for Forensic Readiness Purposes," S. M. Makura and others.*

**7. List of related Published Papers in Journals, Proceedings, Book Chapters, Magazines by this Group.**

*(1) International Conference on Emerging Trends in Computer Science & Technology. ICETCST – 2021 – Paper title "Seizure of IOT Household Appliances for Cyber Forensic Analysis"*
*(2) Social Engineering Attacks-Facebook case study (Presently working)*

**Name & Signature of Coordinator with date.**

**Sd/- 11/10/21**

**S.N.Jagadeesha**

**Research Professor**