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"National Security is Supreme"

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NATIONAL CONFERENCE

on

"The Revolution of Intelligent Policing- from Traditional to Transformational"

SOUVENIR -2025

23rd September, 2025

Venue: The Elite Lucknow Convention Hotel

Kanpur-Hardoi Bypass Road, Para Rd, Alamnagar, Rajajipuram,
Lucknow, Uttar Pradesh 226017



Organized by:

RASHTRIYA RAKSHA UNIVERSITY

LUCKNOW CAMPUS

Message from Hon'ble Vice Chancellor



Namaste Bharat!!

It's truly a pleasure to welcome everyone to the **1st National Conference on 'The Revolution of Intelligent Policing: From Traditional to Transformational.'** Today, we stand at the cusp of an exciting new chapter for **Rashtriya Raksha University, Lucknow Campus** bringing together law enforcement, technology and policing-oriented minds from across the country to analyse, study and reimagine how policing can work smarter for the global citizens moving towards the vision of **Amrit Kaal 2047**.

The spirit of **Atmanirbhar Bharat** isn't just about self-reliance, it's about believing in our own ideas, the traditional knowledge recalibrated in today's context, and creating policing models that are not only technologically advanced but also rooted in community engagement. This platform brings together law enforcement, academia, and industry to build a collaborative framework where innovation and resilience meet the needs of our citizens.

India's ambition extends beyond national transformation. By embracing intelligent policing through AI, data-driven insights, and global best practices, we aim to strengthen internal security while contributing to a **safe and secure global order**. Whether in cyber resilience, maritime security, or humanitarian response, India is determined to serve as a first responder and a dependable global partner. Let this conference mark the beginning of lasting ideas and partnerships that advance both national progress and global peace.

Wishing everyone an inspiring, successful event and may the partnerships and ideas born here carry forward the true spirit of **Atmanirbhar Bharat!**

Jai Hind!

With warm regards,

PROF. (DR.) BIMAL N. PATEL

Vice-Chancellor

Rashtriya Raksha University

Message from Pro Vice-Chancellor



Namaste and my warm greetings to all attending the 1st National Conference on ‘**The Revolution of Intelligent Policing: From Traditional to Transformational.**’ As we gather here—scholars, officers, technologists, and community leaders—it looks like one has come under a huge umbrella embracing all aspects of intelligent policing.

Policing that embraces intelligent transformation must also remember its highest purpose: nurturing safety, respect, and trust, not just within our own borders but with a sense of unity and empathy for all.

May this event spark collaboration and vision, reminding us that building a safer and more progressive India uplifts our entire global family. Wishing everyone a meaningful, successful conference.

Jai Hind!!

With warm regards,

Prof. (Dr.) Kalpesh. H. Wandra

Pro Vice-Chancellor

Rashtriya Raksha University

Message from Registrar



It gives me immense pleasure to extend warm greetings on the occasion of the **1st National Conference on “The Revolution of Intelligent Policing: From Traditional to Transformational.”** This conference marks a visionary step in reimagining the future of policing in India -one that aligns with the rapid technological advancements and evolving societal needs of our time.

The transition from traditional methods to intelligent, data-driven, and citizen-centric policing is not merely a trend, but a necessity. In an era where crimes have become increasingly sophisticated, the need for smart solutions, real-time intelligence, and inter-agency collaboration has never been greater. This conference serves as a timely platform to explore these pressing issues and craft a roadmap for transformational change.

It is heartening to witness the participation of esteemed officers, policy-makers, scholars, and technologists from across the country. Their shared insights, research, and experiences will no doubt contribute immensely to shaping progressive policing strategies rooted in innovation, accountability, and public trust.

As Registrar, I take great pride in being part of this landmark initiative and express my sincere appreciation to the organizing team, partners, and participants for their dedication and commitment to this cause. Let us work together to usher in a new era of intelligent policing that is not only efficient and effective but also empathetic and ethical.

Wishing the conference great success and lasting impact.

With warm regards,

Dr. Dharmesh Kumar D. Prajapati

Registrar (I/c)

Rashtriya Raksha University

Message from University Dean



It gives me immense pleasure to extend my warm greetings to all participants, distinguished speakers, and guests attending the **1st National Conference on “The Revolution of Intelligent Policing: From Traditional to Transformational”**.

This conference marks a significant step towards engaging dialogue on how emerging technologies, data-driven insights, and innovative practices can transform the future of policing in India. In the present era of rapid advancements, it is imperative that law enforcement agencies continuously adapt, evolve, and embrace intelligent solutions that not only enhance efficiency but also strengthen trust between the police and society.

I am delighted to see that this conference brings together eminent experts, scholars, practitioners, and young minds to deliberate on these vital themes. The exchange of ideas in such a forum will undoubtedly lead to valuable recommendations that can support both policy and practice.

I congratulate the RRU-Uttar Pradesh Team for their vision and effort in hosting this important event and extend my best wishes for its grand success. May this initiative inspire continued collaboration and innovation in the domain of intelligent policing.

Jai Hind!!

With warm regards,

Dr. Jasbirkaur Thadhani

University Dean (I/c)

Rashtriya Raksha University

Message from Campus Director



It is a matter of pride and pleasure to share that we are organizing **the 1st National Conference on “The Revolution of Intelligent Policing: From Traditional to Transformational”** at RRU Lucknow Campus. This conference is a significant step towards nurturing dialogue and knowledge exchange in the field of policing and security.

Having successfully completed three years of our establishment as a regional campus in Lucknow, this conference marks a new milestone. It reflects our growing commitment to academic excellence, research, and contribution to the larger vision of intelligent and technology-driven policing.

I extend my gratitude to all the distinguished guests, speakers, and participants who have joined us for this important event. I also appreciate the sincere efforts of the Uttar Pradesh Campus team in making this initiative a reality.

I wish the conference great success and hope it paves the way for many more such academic endeavours in the future.

Jai Hind!!

With warm regards,

Ms. Manjari Chandra
Campus Director (I/c)
Rashtriya Raksha University
Lucknow Campus

Chief Guest



Shri Awanish K. Awasthi (Retd.IAS)
Advisor to Hon'ble Chief Minister
Lucknow, Uttar Pradesh

Guest of Honour



Prof. (Dr.) Bimal N. Patel
Vice-Chancellor
Rashtriya Raksha University

Special Guest



Dr. Arun Mohan Sherry
Director, IIIT
Lucknow, Uttar Pradesh

Convenor



Ms. Manjari Chandra
Campus Director (I/c)
RRU, Lucknow Campus

Co-Convenor



Dr. Amrita Yadav
Assistant Professor (IT)
RRU, Lucknow Campus

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The Lathi to the Pen: Police Accountability to Ensure SMART Policing

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ABSTRACT

The Police also called as a First Responder - the immediate face of the state coming to mind during war, crises, conflict, and crime. They assigned with maintaining law and order policy, protecting citizens from Human Rights violation, and ensuring justice, the police play a crucial position in the public order. The concept Police Accountability originates from the world of finance to ensure the mechanism and transparency within the organization. The change in psychological mindset i.e. to overcome the public fear and engagement of police officer in every social activity entrusted with modernization. The paper-based work instead of beating and abuse by police is more relevant and time saving. This manuscript seeks to explore these literary landscapes, examining how contemporary Indian writers use fiction and narrative to unpack the tensions between authority and agency, justice and power, violence and resistance. By placing the "lathi" (a symbol of state force) alongside the "pen" (a symbol of creative resistance), this study investigates how literature contributes to the evolving conversation on police accountability in India.

Keywords: Police Accountability, community policing, Lathi, Pen, Law & Order

Advancing Cybercrime Forensics with Artificial Intelligence

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ABSTRACT

In Ancient time our ancestor sapiens invented a diverse category of tool like axes, crossbows, sword in Everyday Gauntlet but in due course the tool changes and it is swapped by Artificial Intelligence (AI) and machine learning (ML), which we allude to AI and ML in our colloque. In the lengthening of digital world and infrastructure criminals also reform them. In this era of technology i.e., digital world which is a red alarming atmosphere as results to addition of more swish which is calling for advanced investigation forensics in tandem with enduring security infrastructure. The new AI powered forensics sharpens ML, Natural Colloquy languages processing and incongruity uncovering technique to break down of vast variety of data from various ports and sources. The transforming weapon AI and ML heuristic to be trained to locate eccentricity from established function which can portrait digitally for highlighting cyber peril and instantaneous contravention. In further empowering of multi factor authentication (MFA) it acts as a key stone role for guarding social Interactive Media Platform and other online business and digital shops and brokers. AI weapons this MFA solution to new heights of security by assimilating dynamic threat & conformation. We endow risk stewardship stage adequately as from context from running human days. AI dissects information like logs, location and other impressive details to visualize and memorize the essentialness for Ancillary examine methods. AI powered systems edges to visualize large number of logs, traffic activity of network and other upcoming alarming e-threats. Pre-trained ML Models can sharpen with detection and memorizing malwares which are even unknown to industry and individuals by analysing the abnormal behaviour changes in pattern. AI empowers investigation with correlating data and details as for file Epoch, cofab sequence and logs activities. This is where AI can be a force multiplier. AI promises to further advance behaviour -based detection; it thrives in understanding behaviours and turning them into patterns for precise identification and detection, which allows AI to greatly enhance security capabilities.

Keywords: Artificial Intelligence (AI), Machine Learning (ML), Cyber security, Digital Forensics, Anomaly Detection, Multi-Factor Authentication (MFA)

Strengthening Community Collaboration and Trust in Law Enforcement to Prevent Youth Drug Abuse

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ABSTRACT

This abstract explores the dynamic relationship between public participation, trust-building in law enforcement, and the supportive role of NGOs and civil society in preventing crime, with a particular focus on youth drug abuse. Despite advancements in policing technologies, social issues such as adolescent drug addiction remain pressing concerns, often fueled by peer influence, lack of parental supervision, and broader societal neglect. Community members—including teachers, parents, and neighbors—are in a unique position to detect early behavioral changes in young individuals, making their involvement essential for prevention and timely intervention. To strengthen this collaboration, police departments should organize awareness campaigns, community events, and trust-building activities that foster open dialogue and positive engagement between law enforcement and citizens. Partnerships with NGOs and mental health professionals further enhance preventive strategies by offering rehabilitation services, counseling, and stress management programs for at-risk youth. Proactive policing measures, such as increased patrolling around schools and cooperation with local businesses, can help curb drug distribution networks. A key recommendation is the appointment of psychologists in every police station to ensure early intervention when behavioral concerns are reported by the community, emphasizing support over punishment. Such integrated efforts are vital to curbing youth drug abuse and creating a safer, healthier, and more supportive society.

Keywords: Youth Drug Abuse, Community Involvement, Law Enforcement, Trust-Building, Early Intervention, Rehabilitation, NGOs

Corporate Involvement in Road Safety: An Overview of Corporate Social Responsibility-based Initiatives in India

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ABSTRACT

According to the Ministry of Road Transport and Highways (MoRTH, 2023). India experienced a significant number of road accidents, with 4,80,583 reported incidents resulting in 1,72,890 fatalities and 4,62,825 injuries, it's contributing to one of the highest road mortality rates globally. In this context, the Government of India has initiated range of measures as a part of road safety reforms with focus on legal frameworks and road infrastructure have led to advanced road safety improvement. The role of the corporate sector, particularly through Corporate Social Responsibility (CSR), has emerged as a crucial yet least attended dimension of road safety enhancement. This paper examines the role of corporates in India's road safety ecosystem through targeted interventions in awareness, infrastructure, capacity building, technological innovation, and policy advocacy. The paper adopts case-based and secondary data analysis; the study identifies some impactful CSR interventions across diverse geographies. In Delhi, Honda Motorcycle and Scooter India, in partnership with the Delhi Traffic Police, operates Traffic Training Parks that have educated over 280,000 individuals on safe road behaviour since 2014. Maruti Suzuki's deployment of automated driving test tracks in Uttar Pradesh and integrated traffic management systems in Gurugram exemplifies CSR-backed technological modernization. In Maharashtra, the Mahindra Group's support of SaveLIFE Foundation's Zero Fatality Corridor on the Mumbai–Pune Expressway led to a 52% reduction in road fatalities between 2016 and 2021. Odisha's SuVahak scheme, developed in collaboration with private logistics and automobile firms, has trained over 29,000 heavy vehicle drivers and received national recognition from FICCI's Road Safety Awards in 2024. Despite these advancements, persistent challenges—such as regulatory fragmentation, lack of standard metrics for impact assessment, and limited incentives—act as a stumbling block in increase involvement of participation of corporate stakeholder. The paper argues the need of institutionalizing CSR in road safety governance. Further, the paper also argues inclusion of corporates as co-stakeholders in creating safer roads in India.

Keywords: Road Safety, Corporate Social Responsibility (CSR), India, Public–Private Partnership, FICCI, Traffic Management, Driving Training, SDG

Smart Strategies to Combat Cybercrime and Financial Fraud

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ABSTRACT

Cybercrime is a rapidly growing global phenomenon that impacts individuals, organizations, and entire economies, with financial fraud becoming one of its most prevalent and damaging forms. In today's digital era, cybercriminals increasingly exploit technological vulnerabilities to cause significant financial losses, targeting both individuals and institutions. The widespread reliance on online platforms for banking, shopping, and social interactions has amplified user exposure to sophisticated cyberattacks, while the lack of awareness and limited digital literacy among users further compound this vulnerability. To address these challenges, it is essential to adopt proactive and smart strategies that combine education, technology, and collaboration to create a safer digital environment. Strengthening digital literacy is a vital component, as it equips users with the knowledge to identify and respond effectively to cyber threats. In parallel, the deployment of advanced technological measures such as multi-factor authentication, anti-malware solutions, and behavior-based security systems enhances defense mechanisms against intrusion attempts. Public awareness campaigns that highlight the specific risks associated with social media platforms can also promote resilience and responsible online behavior, thereby reducing opportunities for identity theft and fraud. This study investigates emerging types of cyber fraud by examining the evolving methods employed by fraudsters and their impact on financial institutions and customers. Through this analysis, the research underscores the urgent need for comprehensive cybersecurity frameworks that integrate preventive education, innovative technological solutions, and collaborative efforts between governments, businesses, and users. Ultimately, the study aims to provide actionable recommendations for safeguarding financial systems and protecting digital identities, contributing to a more resilient and secure digital ecosystem.

Keywords: Cybercrime, Digital Fraud, Financial Sector, Smart Cybercrime Security.

Transforming Policing in India: A Citizen-Centric Framework Integrating Global Best Practices

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ABSTRACT

The transformation of traditional policing into a modernized, citizen-centric approach requires insights from cooperative policing, global best practices, and adaptive strategies that emphasize community trust, transparency, and accountability. By adopting international models, modernizing police training and education, and ensuring cultural responsiveness, law enforcement can enhance its relationship with the public while prioritizing the wellness, ethics, and professional integrity of officers to reduce stress, prevent burnout, and maintain service-oriented values. This research advocates for a holistic framework of policing reform that integrates predictive analytics, data-driven strategies, and digital transparency to strengthen efficiency and accountability. The study highlights the role of community-oriented policing and proactive engagement in building partnerships between law enforcement and citizens to address fear, improve public safety, and foster collaboration. A comparative analysis of global police systems is conducted, drawing on theoretical perspectives from criminology, public administration, and legal studies to evaluate diverse models across Scotland, Canada, the Netherlands, France, Japan, the United States, Australia, and Germany. By examining these international experiences and adapting them into the Indian policing system, this paper proposes a transformative roadmap for developing a modern, effective, ethical, and citizen-centric police structure suited to contemporary challenges.

Keywords: Traditional Policing, Comparative Study, Best Practices, Community-Oriented Policing, Police Training, Accountability, Citizen-Centric Approach

Transforming Traditional Policing into Intelligent Policing: A Ground-Level Perspective on Cyber security and Community Awareness

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ABSTRACT

Cybercrime is a rapidly growing global phenomenon that impacts individuals, organizations, and entire economies, with financial fraud becoming one of its most prevalent and damaging forms. In today's digital era, cybercriminals increasingly exploit technological vulnerabilities to cause significant financial losses, targeting both individuals and institutions. The widespread reliance on online platforms for banking, shopping, and social interactions has amplified user exposure to sophisticated cyberattacks, while the lack of awareness and limited digital literacy among users further compound this vulnerability. To address these challenges, it is essential to adopt proactive and smart strategies that combine education, technology, and collaboration to create a safer digital environment. Strengthening digital literacy is a vital component, as it equips users with the knowledge to identify and respond effectively to cyber threats. In parallel, the deployment of advanced technological measures such as multi-factor authentication, anti-malware solutions, and behaviour-based security systems enhances defence mechanisms against intrusion attempts. Public awareness campaigns that highlight the specific risks associated with social media platforms can also promote resilience and responsible online behaviour, thereby reducing opportunities for identity theft and fraud. This study investigates emerging types of cyber fraud by examining the evolving methods employed by fraudsters and their impact on financial institutions and customers. Through this analysis, the research underscores the urgent need for comprehensive cybersecurity frameworks that integrate preventive education, innovative technological solutions, and collaborative efforts between governments, businesses, and users. Ultimately, the study aims to provide actionable recommendations for safeguarding financial systems and protecting digital identities, contributing to a more resilient and secure digital ecosystem.

Keywords: Cybercrime, Financial Fraud, Digital Literacy, Multi-Factor Authentication, Cybersecurity Frameworks, Public Awareness, Online Security

Use Of Dark Web Monitoring, & Intelligence for Law Enforcement

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ABSTRACT

Dark web is a subtype of deep net, which does not follow OSI model by ISO, which basically maintains anonymity of a user. Although most of the crimes occur behind its dense fog of darknet within overlay network, networks which does not follow OSI model, and which require specific configurations Dark web monitoring shall analyze the chatter in dark web for analysis and get what organizations are under threat for cyberattacks and track illegal trade in dark web for anti-narcotics and anti-terrorism, but this may also require Signal intelligence. Although India already has organization related to signal intelligence, such as directorate of signal intelligence, under DIA, and NTRO. but as they are central organization and criminal investigation is usually handled by state. The intelligence sharing becomes nearly impossible. Although some of these steps are already in practice but the main problem lies with lack of infrastructure and dedicated trained personnel for it, which basically slows all the process This paper deals with how dark web monitoring, signal intelligence and Open-source intelligence can help law enforcement by giving leads for criminal activities and organized crimes in India. On how criminal cases should be handled by specific teams if there is a recurring trend of a certain type of crime in an area, but due to lack of police personnel and budget restrain this should be handled by central police forces meant for combatting crime and leaving the area when their task in the area is complete. They can also raise supporting element for it (as per the needs).

Keywords: Dark Web Monitoring, Signal Intelligence, Open-Source Intelligence, Cybercrime Investigation, Intelligence Sharing, Law Enforcement Infrastructure.

Videshi Seekh, Swadeshi Soch: A Hybrid Model for Indian Police Reform

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ABSTRACT

New technological innovations have been developed to prevent crime and improve the performance of law enforcement, requiring police organizations to constantly adapt to challenges such as rapid technological advancements, urbanization, and shifting social expectations. A vast and densely populated country like India faces unique policing challenges that demand transformational reforms aimed at enhancing accountability and capacity building. This paper explores how international policing strategies and modern technologies can contribute to strengthening the Indian police system by examining global best practices alongside local innovations. It discusses successful international models such as community policing in Japan, predictive policing in the United States, and real-time surveillance systems in the United Kingdom, while also analysing Indian initiatives like Kerala's Janamaithri Suraksha Project, Hyderabad's Integrated Command and Control Center, and Delhi's cybercrime units. By comparing and integrating these approaches, the study proposes a hybrid model— "Videshi Seekh, Swadeshi Soch"—that combines global insights with indigenous adaptations to create a roadmap for the modernization of Indian policing. The paper emphasizes the need for technology-driven reforms, community engagement, and institutional restructuring to build a responsive, accountable, and future-ready police force in India.

Keywords: Indian Police, Community Policing, Predictive Policing, Surveillance Systems, Capacity Building, Police Reforms, Law Enforcement Technology

Transforming Policing: Addressing Drone Utilization for Intelligent Policing in India

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ABSTRACT

The integration of drones in law enforcement worldwide shifts from traditional policing methods to intelligent policing. This paper examines the current drone usage in Indian law enforcement, particularly during significant events such as the COVID-19 lockdowns and the Maha Kumbh Mela, where drones were employed for crowd management and surveillance. Despite these benefits, there are several gaps which hinder effective implementation. Notably, the absence of a uniform national protocol for drone operations limits their operational scope and effectiveness in policing and to equip police personnel with skills in drone usage and surveillance data analysis. This paper also focuses on the contrasts of India's practices with global standards, highlighting successful models from foreign countries like the USA and UK who implement drones in regular policing activities. This research advocates for the development of frameworks and training initiatives. In conclusion, the transition to intelligent policing using drone technology offers opportunities for enhancing law enforcement capabilities in India's policing, addressing regulatory and training deficits essential for maximizing the benefits of these technological innovations.

Keywords: Intelligent Policing, Drones, Indian Police, Training, National Policy

The Role of Drones, Body Cameras, and Smart Surveillance Systems in Technology- Driven Policing

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ABSTRACT

This research paper investigates the transformation of policing models from traditional to technology-driven systems, emphasizing the integration and impact of drones, body-worn cameras (BWCs), and smart surveillance systems. With a focus on both Indian and global developments in recent, the analysis draws upon recent legislation, pilot projects, academic literature, and case studies. It critically examines technological advancements, implementation challenges, case outcomes, and the complex ethical, legal, and privacy frameworks influencing these changes. The paper aims to guide academia, practitioners, and policymakers by synthesizing the latest empirical evidence and theoretical frameworks relevant to the criminal justice system, forensic science, security technology, and community policing. Attention is given to the necessity of robust regulatory oversight, data management, and community trust to ensure that these technological innovations generate both efficiency and legitimacy in law enforcement.

Keywords: Technology-Driven Policing, Drones, Body-worn Cameras, Smart Surveillance Systems, Criminal Justice System, Community Policing, Security Technology.

Role of Drones and Smart Surveillance in Enhancing Disaster Response and Relief by SDRF in India

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ABSTRACT

India's diverse geography and climate make it highly susceptible to nature-induced and man-made disasters such as floods, earthquakes, landslides, and cyclones, necessitating robust disaster response mechanisms. The State Disaster Response Force (SDRF), which is a specialized police unit, plays a pivotal role in mitigating the impact of these calamities. The integration of drones and smart surveillance technologies has transformed traditional disaster response into an intelligent, data-driven paradigm. This paper, through qualitative research, explores how drones and smart surveillance enhance the SDRF's capabilities in disaster response and relief, focusing on rapid damage assessment, search and rescue operations, supply delivery, and communication support. It also addresses challenges such as regulatory hurdles and operational limitations, proposing a roadmap for mainstreaming these technologies within the SDRF framework. Study finds that the integration of drones and smart surveillance into SDRF operations marks a paradigm shift from traditional to transformational disaster response. By enabling rapid damage assessment, efficient search and rescue, supply delivery, and communication support, these technologies enhance the SDRF's ability to mitigate the impact of disasters and save lives. While challenges like regulatory hurdles and operational limitations persist, strategic investments in policy, training, and infrastructure can overcome these barriers. As India continues to face diverse disaster risks, the adoption of intelligent policing tools like drones and smart surveillance will be pivotal in building a resilient and responsive disaster management framework.

Keywords: SDRF, Disasters, Response, Relief, Drones, Smart Surveillance.

Smart Policing for Women and Child Safety using IoT Devices

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ABSTRACT

The rising cases of crimes against women and children in India has highlighted the need for innovative technological interventions. Traditional security mechanisms often fail to provide timely support or adequate evidence which results in delayed justice and unresolved cases. Internet of Things (IoT) offers new possibilities for monitoring, emergency response, and evidence collection, making it a promising domain for enhancing women and child safety. This paper presents a review on the role of IoT devices in emerging smart policing solutions. The paper explores the design principles and functional capabilities of IoT-enabled safety systems. IoT devices primarily include wearable and portable devices which are equipped with sensors. These devices contain GPS modules, SoS buttons, and cloud-based connectivity to transmit real-time location data to law enforcement agencies. A study on the feasibility of using embedded e-SIM technology to ensure device independence from mobile phones is also discussed. The study evaluates how IoT devices can improve evidence reliability, reduce police response times, and empower citizens in emergency scenarios. It also discusses the limitations related to cost, privacy, network availability, and user adoption.

Keywords: IOT, Technology, Devoices, Emergency, Safety.

AI-Powered Crawlers for Dark Web Intelligence: A Game-Changer for Law Enforcement

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ABSTRACT

The dark web serves as a hub for illicit activities such as drug trafficking, illegal arms trade, cybercrime, and human exploitation — posing a major challenge for law enforcement agencies (LEAs) due to its anonymity and unhindered content. This presentation explores the deployment of AI powered web crawlers as a proactive solution to extract actionable intelligence from hidden layers of the internet. The objective is to demonstrate how artificial intelligence, dark web crawling, can automate the identification, classification, and prioritization of suspicious content across forums, marketplaces, and encrypted channels. The methodology includes intelligent scraping of dark web data, analysis to detect threat patterns, and alerting systems for LEAs. The core problem addressed is the manual, time-consuming, and often incomplete process of monitoring the dark web — which leads to missed threats and delayed action. AI crawlers can significantly enhance surveillance capabilities by working at scale and speed, even detecting evolving slang or obfuscation tactics used by criminals. The outcome is a technology-driven intelligence pipeline that empowers law enforcement with early warning capabilities, supports evidence collection, and strengthens the fight against cyber-enabled crimes through smarter, faster decision-making.

Keywords - Dark Web Crawling, Artificial Intelligence (AI), Cybercrime Detection, Law Enforcement Intelligence, Automated Threat Analysis, Illicit Activity Monitoring

Intelligent Justice: AI - Driven digital forensics in fight against Cyber Crime

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ABSTRACT

As crime has been on the rise, so has the need for intelligent justice. Using artificial intelligence (AI) means letting computer systems do tasks that humans usually handle. These tasks may range from analysis, decision making to creation of written or visual content. Digital forensics focuses on collecting and analyzing digital evidence and must prevent tampering to ensure that the court of law accepts the evidence as valid. The objective is to detail how automated methods can streamline evidence collection and investigation. Highlighting digital forensic procedures from rudimentary file system investigations to AI-driven methods. This study adopts a comparative approach that examines how AI-driven tools are transforming digital forensic investigations in contrast to traditional methods. Some of the AI applications used in law enforcement include video forensics, data recovery, network traffic analysis, and social media monitoring. Various AI assisted techniques such as crime-mapping, pattern recognition, and automated evidence filtering are evaluated for their efficiency, scalability, and impact on investigator workload. We will be highlighting how AI reduces manual effort, accelerates case resolution, and minimizes human exposure to distressing material, ultimately positioning AI-powered digital forensics as an indispensable and evolving tool in achieving faster, fairer, and more reliable justice within modern investigative systems.

Keywords: Artificial Intelligence, Digital Forensics, Automated Evidence Collection, AI in Law Enforcement, Crime Mapping, Pattern Recognition, Video Forensics, Social Media Monitoring.

Multi-Factor Authentication (MFA) In Combating Financial Cybercrime

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ABSTRACT

In the age of digital finance, the increasing sophistication of cyber threats poses significant risks to individuals, corporations, and national economies. Financial institutions are prime targets for cybercriminals who exploit vulnerabilities in authentication systems to gain unauthorized access to sensitive information and assets. This paper explores the critical role of Multi-Factor Authentication (MFA) as a frontline defense in mitigating financial cybercrime. MFA, which combines two or more independent credentials—such as something the user knows (password), something the user has (security token), and something the user is (biometric verification)—provides a layered security approach that significantly reduces the likelihood of unauthorized access. We analyze real-world case studies of financial breaches, examining scenarios where MFA could have prevented or minimized losses. The discussion also evaluates the evolving landscape of MFA technologies, including biometrics, push notifications, and behavioral analytics, and how they are being integrated into financial systems. Challenges such as user experience, implementation costs, and phishing-resistant authentication are also addressed. The paper concludes with recommendations for enhancing MFA adoption and effectiveness in the financial sector. This research underscores the necessity of MFA not just as a technical solution, but as a strategic imperative in the fight against financial cybercrime.

Keyword - Cyber Threat, Multi-Factor-Authentication (MFA), Biometric, Financial Breach, Phishing, Cybercrime.

Smart Policing for Women and Child Safety

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ABSTRACT

The safety of women and children remains a critical concern in modern societies, necessitating innovative approaches that leverage technology and data-driven strategies. Smart policing for women and children focuses on integrating advanced technologies, community engagement, and real-time data analytics to enhance protection, prevention, and response mechanisms. This paper explores the concept of smart policing as a transformative approach in ensuring safety through the deployment of surveillance systems, mobile safety applications, AI-powered predictive policing, GPS tracking, panic buttons, and integrated command-and-control centres. By adopting a proactive rather than reactive stance, smart policing enables law enforcement agencies to predict, prevent, and respond to incidents more effectively. Key initiatives include the deployment of CCTV cameras in high-risk areas, emergency helpline numbers integrated with location tracking, wearable safety devices, and mobile apps that allow victims or bystanders to alert authorities instantly. AI and machine learning are used to analyse crime patterns, enabling predictive policing and timely deployment of patrol units in vulnerable zones. Moreover, community policing models are reinforced through digital platforms that foster collaboration between citizens, law enforcement, and NGOs working for women and child welfare. Training police personnel in gender sensitivity and child protection laws is also a critical component of smart policing. Special units and fast-track systems for responding to gender-based crimes have shown promising results in improving trust in law enforcement. Smart policing does not solely rely on technology; it also emphasizes accountability, transparency, and community trust. The integration of modern tools with traditional policing practices offers a holistic approach to safety and justice. By leveraging smart solutions, law enforcement agencies can create safer environments for women and children, ensuring that safety is not just reactive but preventive, data-informed, and community-centered. In conclusion, smart policing represents a transformative shift in ensuring the safety and dignity of women and children. It fosters a culture of vigilance, rapid response, and systematic support, ultimately paving the way for safer and more inclusive societies.

Keywords: Smart Policing, Women and Child Safety, Predictive Policing, Community Engagement, Technology Integration

Role of NGOs and Civil Society in Crime Prevention Against Male

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ABSTRACT

The India's criminal justice architecture, legislative and policy measures have historically focused on protecting women and child – necessary but incomplete approach that has overlooked the victimization of men. This gap in legal recognition and institutional support has left male victims without recourse, exacerbating underreporting and systemic neglect. In fact, the Indian criminal justice system has prioritized the protection of women and children from ancient time to being modern India, where as crime against men remain infamous and never acknowledged as an issue. The Indian criminal laws have sabotaged male integrity specifically in the cases of domestic violence, untrue accusations, In custody violence and sexual harassment or abuse. These mentioned crime against men have lack of recognition, legal boundaries of protection and social empathy. Therefore, a community of warriors called Non-profit government (NGO) and the responsible personalities of civil society comes into picture and take initiative to prevent crime against men and lawyering for systematic reforms. The NGOs provides legal assistance to empowered them through “pro bono publico” and counselling to men who may engaged or entertain court proceedings, in matter of such provisions under section 498A IPC or the protection of women from domestic violence act 2005. While doing so, they uphold fundamental legal doctrine such as the presumption of innocence and the ending of right of fairly heard or present. It is like protecting ones Right while violating others or the misuse of gender - specific law. The list of services of NGOs is not limited to legal aid, they focus on rehabilitative justice, recidivism reduction and preventive policy making and also provide assistance to vulnerable male population for instance homeless youth, substance abusers and former convicts through education awareness, campaigns and workshops. These rehabilitation helps recognize the root causes of both perpetration and victimization, decreasing recidivism and fostering reintegration. As NGOs not only craft the better policies for the wellness of male victims, they also generate data on suicide linked to domestic circumstances and gender based custodial abuse. Through awareness campaigns, NGOs shutting down the outraged gender stereotypes ideology that stigmatize male vulnerability. Concluding, The NGOs and civil society are indispensable in developing a more balanced, equitable, and inclusive approach to crime prevention. And help male victims to recognize and protect them under the ambit of justice.

Key Words: Non-profit government (NGO), pro bono publico and counselling to men, section 498A IPC or the protection of women from domestic violence act, rehabilitative justice, recidivism reduction and preventive policy, etc.

Dark Web monitoring through Law enforcement Agencies for Criminal Activities

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ABSTRACT

The ongoing issue of illegal activities occurring on encrypted networks has compelled law enforcement agencies (LEAs) to create advanced and layered strategies for monitoring the Dark Web. This proactive investigative practice is essential for contemporary cyber-policing, focusing on a range of activities from drug and weapon sales to hacking services and extremist messaging. Successful monitoring relies on the combination of various tools. From a technological standpoint, this includes the use of Dark Web crawlers and scrapers to automate the extensive gathering of information from marketplaces and forums. This raw information is subsequently analyzed with advanced data processing and visualization platforms to reveal patterns, map out criminal networks, and pinpoint key targets. On the financial front, cryptocurrency investigation tools are critical for making blockchain transactions less anonymous, connecting digital wallets with real-world identities. In addition to these technical strategies, Human Intelligence (HUMINT) plays a vital role by providing contextual insights that purely data-driven analysis may overlook. For focused operations against the most security-minded individuals, Network Investigative Techniques (NITs) are employed to take advantage of software flaws and discreetly determine the identities of users on anonymized platforms. Throughout the intelligence process, utilizing forensic tools to gather digital evidence is essential to ensure that all collected data maintains its integrity and chain of custody, making it suitable for use in court cases. This thorough, multi-dimensional strategy enables LEAs to methodically dismantle criminal organizations, turning the Dark Web from a thought-to-be safe haven into a vulnerable space for intelligence-led law enforcement and legal action.

Keywords: Dark Web, Monitoring, Law enforcement, Criminal Activities

Silent Witnesses: The Role of Smartphones in Modern Criminal Investigations

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ABSTRACT

In the today's digital age, smartphones have become essential to everyday life, acting both as powerful instruments and as potential unseen observers in criminal investigations. This paper examines the diverse roles that smartphones play in contemporary forensic science, highlighting their importance as stores of personal information, communication logs, geolocation data, and behavioral trends. Through the analysis of case studies and recent developments in mobile forensics, the research illustrates how law enforcement agencies utilize smartphone information to reconstruct incidents, create timelines, validate testimonies, and identify suspects. It also confronts the obstacles presented by encryption, privacy issues, and the legal structures regulating the gathering of digital evidence. As technology continues to advance, so does the landscape of investigations, rendering smartphones crucial tools in the quest for justice. This study emphasizes the need to find a balance between effective law enforcement and safeguarding individual rights in the digital age.

Keywords - Smartphones, Mobile Forensics, Digital Evidence, Geolocation Data, Communication Logs, Encryption Challenges, Privacy and Legal Issues, Law Enforcement Investigations.

Transformational Policing in the Digital Age: Integrating Library Science and Legal Frameworks

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ABSTRACT

The rapid evolution of digital technologies has redefined the concept of policing, shifting it from a traditional, reactive approach to an intelligent, data-driven, and citizen-centric model. Transformational policing in the digital era requires robust information management systems, legal safeguards, and ethical oversight. This paper explores the role of Library and Information Science (LIS) in organizing, classifying, and disseminating critical information for law enforcement, while simultaneously examining the legal frameworks that guide privacy, accountability, and human rights in policing. By integrating LIS principles and legal structures, this study highlights how intelligent policing can enhance efficiency, transparency, and public trust while mitigating risks associated with surveillance, misuse of data, and legal ambiguity.

Keywords: Transformational Policing, Digital Age, Library Science, Legal Frameworks



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