

The evolving nature of potential harms in the era of emerging technologies

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Potential harms of emerging technologies in the digital world

Metaverse	AI	Synthetic Media
<ul style="list-style-type: none">• Crimes against children• Financial Crimes• Sexual Offences and Assault• Identity Crime• Enabling Traditional Crimes (Terrorism, Money Laundering etc.)	<ul style="list-style-type: none">• Privacy invasion• Data poisoning• Audio/visual impersonation• Learning-based and tailored cyber attacks• Large scale blackmail• Social manipulation• Bias exploitation• AI-authored fake news• Disrupting AI-controlled systems• Driverless vehicles as weapons	<ul style="list-style-type: none">• Deepfakes• Non-consensual synthetic pornography• Synthetically generated text depicting the sexual exploitation of children• Spread of mis/disinformation

Legal gaps in criminalizing potential harms

- ● Pace of technological advancement
- ● Lack of common understanding
- ● Gaps in the criminalization of some harms on platforms like the Metaverse



Challenges around investigating crime committed in/through these new technologies

Identity construct

Data management

Victim Identification

Evidence
Identification

Forensics in the
Synthetic Media Era

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