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Avinash Kumar



Avinash Kumar has completed his Ph.D. in International Investment Law from the Dept. of Law & Governance, Central University of South Bihar. His research work is on "International Investment Agreement and State's right to regulate Foreign Investment." He qualified UGC-NET and has been selected for the prestigious ICSSR Doctoral Fellowship. He is an alumnus of the Faculty of Law, University of Delhi. Formerly he has been elected as Students Union President of Law Centre-1, University of Delhi. Moreover, he completed his LL.M. from the University of Delhi (2014-16), dissertation on "Cross-border Merger & Acquisition"; LL.B. from the University of Delhi (2011-14), and B.A. (Hons.) from Maharaja Agrasen College, University of Delhi. He has also obtained P.G. Diploma in IPR from the Indian Society of International Law, New Delhi. He has qualified UGC – NET examination and has been awarded ICSSR – Doctoral Fellowship. He has published six-plus articles and presented 9 plus papers in national and international seminars/conferences. He participated in several workshops on research methodology and teaching and learning.

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CYBER LAW EXPLAINED: MAKING THE INTERNET SAFER FOR EVERYONE

AUTHORED BY - SYED IFTEKHAR RAZA ZAIDI & DR. PIYUSH KUMAR TRIVEDI

Khwaja Moinuddin Chishti Language University Lucknow, Uttar Pradesh, India

Abstract

In today's fast-paced always-online world cyber law isn't just a niche area of study it's something that affects all of us whether we're shopping online using social media or just browsing the internet we're constantly sharing data and with that comes the risk of that data being misused or falling into the wrong hands that's where cyber law steps in its set of rules and regulations designed as to keep digital space safe and fair. One of the most crucial part of the cyber law is ensuring that our sensitive and personal information stays private and secure. Now think about all the times you have entered your email phone number or even bank details online wouldn't you be curious that information is being handled responsibly as the ever-changing technology is growing rapidly, so does the need for clear and effective legal frameworks needs to protect the data around the world. Efforts are being made to tackle this for example the European union's GDPR has set a strong example of how data should be handled meanwhile India is also working on its own laws for combating data protection to keep up with digital shift. This article takes a closer look at how cyber law has emerged and how the data protection fits into it and why it matters for every one of us we'll explore what's working what still needs fixing and why having consistent rules is so important at the end of the day it's about building trust in the cyber world and ensuring our privacy is protected in this information-driven age.

Introduction

We no longer live two separate lives—offline and online. They've merged into one. From paying bills through apps to sharing thoughts on social media, the digital world is part of our daily life. Just like real-world communities need rules, our online spaces need them too. That's where cyber law comes in.

Cyber law organizes our digital lives. It helps people use the internet safely, protecting against fraud, theft, and abuse. Whether it's catching cybercriminals, safeguarding your personal data, or recognizing digital agreements legally—cyber law covers it all.

What Cyber Law Really Means in Everyday Life

Cyber law is basically the digital world's version of common-sense rules. It helps define what's fair, what's safe, and what's legal when we're using technology—whether that's surfing the web, buying something online, or storing personal data in the cloud. As our lives become more connected to screens and systems, cyber law works quietly in the background, helping to keep things in check.

Here's how it shows up in real life:

- It helps stop hackers and scammers from stealing your info or money
- It makes sure your online purchases are legit and protected
- It guards your personal details from being shared or sold without you're okay
- It protects your creative work—like your music, writing, or designs—from being copied without permission
- It gives legal weight to things like e-signatures and online agreements

And as new tech like AI, crypto, and smart devices become part of everyday life, cyber law keeps growing and adjusting to cover those, too. It's not just about rules—it's about helping us all stay safe and respected in a digital world that never stops evolving.

Why Is Cyber Law So Important Today?

Imagine living in a neighbourhood without laws or police—no one to stop thefts or break-ins. That's the internet without cyber law. Every time we share details online—email, bank info, ID—we trust they won't be misused. But cybercrime is real and growing. From small scams to huge data leaks, threats are everywhere.

Cyber law is key not just to punish criminals but also to encourage safer behaviour. It tells people and businesses, "If you break the rules, there are consequences." That builds trust. It's why we feel okay shopping online, signing documents digitally, or storing data in the cloud.

What Data Protection Really Means—and Why It Matters to You

Data protection isn't just about fending off cyberattacks or keeping your inbox spam-free. It's about something much bigger: having control over your personal information—things like your phone number, location, shopping habits, or even your medical history. In today's digital world, that kind of information is incredibly valuable. And if it ends up in the wrong hands, it can seriously affect your life.

That's why data protection matters. It's not just a tech issue—it's a personal one.

- You should know when your data is being collected, and why
- You should have the right to say yes or no to how it's used
- And if someone misuses it, you should have the power to do something about it

Governments around the world are starting to catch on. Laws like Europe's GDPR and India's Digital Personal Data Protection Bill are designed to put people—not corporations—in control. Because at the end of the day, your data *isn't just data*. It's part of who you are. And you deserve to have a say in how it's handled.

How Did Cyber Law Start? A Quick Look

At first, the internet was mainly for universities and governments. No one expected it to become a place for shopping, banking, socializing, or crime. But once it did, rules became necessary. Countries first tried to apply old laws to digital issues, but that didn't work well. New crimes needed new laws. That's how cyber law began.

Key early steps:

- In the U.S., laws against unauthorized computer access appeared in the 1980s
- The Budapest Convention (2001) helped countries work together against cybercrime
- The GDPR (2016) brought data privacy to the forefront, influencing many nations

Today, cyber law is a full legal field, not just an extension of old laws.

Cyber Law in India – The Journey So Far

India's digital law story began back in 2000, when the **Information Technology (IT) Act** was introduced. It was the country's first real attempt to make sense of a rapidly growing online world. Back then, just recognizing emails and digital signatures as legally valid felt revolutionary. It was the first step toward building trust in the internet.

But as more of life moved online, new problems started to show up—ones that the original law hadn't fully imagined. Over time, the IT Act was stretched to tackle serious and sensitive issues like:

- Online stalking and harassment
- Personal data being leaked or misused
- The growing threat of child exploitation on digital platforms
- Cyberattacks that could put national security at risk

Not everything went smoothly, though. **Section 66A**, which aimed to regulate offensive content, ended up being too broad and was often used to silence voices. Thankfully, the

Supreme Court struck it down in 2015, reinforcing the idea that free speech belongs online too.

Now, India is entering a new chapter with the **Digital Personal Data Protection (DPDP) Bill, 2023**. This isn't just about protecting information—it's about putting people back in control of their own data.

- You get to decide what data of yours can be used
- You can say no, and that matters
- And if your data is misused, companies can be held responsible

It's a sign that India is moving toward a more balanced digital future—one where innovation can grow, but not at the cost of your privacy or rights.

E-Commerce and Digital Contracts – “I Agree” Is More Than Just a Click

Let's be honest—most of us scroll right past the terms and conditions and hit “I Agree” without a second thought. But here's the thing: that tiny click? It's more powerful than it looks. In the eyes of the law, it's the same as signing your name on paper.

Thanks to cyber law—especially under India's **Information Technology (IT) Act**—digital contracts now carry the same legal weight as traditional ones. That means:

- When you place an order or click “confirm,” you're entering a binding agreement
- Digital signatures are legally valid
- Online businesses have to play fair and follow consumer protection rules

So even though the contract is virtual, your rights are very real. That's why laws now focus on **making things clear and fair**—especially since most people never actually read the fine print. Whether you're booking a cab, subscribing to a service, or buying your next phone online, the law is there to make sure you're treated fairly—even if all you did was tap a button.

Cybercrimes – The Dark Side of the Internet

The digital world offers many benefits but also has dangers. Cybercrimes come in many forms:

- Hacking personal or company systems
- Phishing emails stealing passwords
- Identity theft on social media
- Online harassment or stalking
- Spreading viruses or ransomware

India's IT Act makes these crimes illegal. Most states have cybercrime units now. But threats are changing fast. New dangers like deepfakes, AI scams, and crypto fraud need new laws and trained experts.

GDPR – More Than Just a Rulebook

Back in 2018, the European Union rolled out something big: The General Data Protection Regulation, or GDPR. At first glance, it may seem like just another set of legal policies, but what it really did was shift the balance of power. For the first time, regular people—not just tech giants—got real control over their own data.

What's special about it?

For starters, GDPR doesn't just ask companies to protect your data—it makes it your right to ask how it's used. You can say, "Hey, show me what info you have on me," or even tell them to delete it completely. That's powerful.

Second, it pushes companies to be upfront and clear—no more hiding behind pages of unreadable terms. If a business is collecting your data, they need to explain why and what for. And lastly, it has real consequences. We're talking fines in the millions if a company plays fast and loose with your data. That's why businesses worldwide—whether in Berlin or Bengaluru—take GDPR seriously if they handle EU user data.

It's not perfect, but GDPR proved one thing loud and clear: privacy isn't a privilege, it's a right.

India's Turn: The Digital Personal Data Protection Bill, 2023

India's digital landscape is growing fast, and with it comes the urgent need to protect personal data. That's where the Digital Personal Data Protection (DPDP) Bill, 2023 comes in. It's India's most serious attempt yet to give people more control over their digital footprint.

Here's what the bill promises:

Clear consent comes first. Before any company touches your data, they need to ask for your permission—and it must be informed, not hidden in fine print.

Changed your mind? No problem. You have the right to withdraw your consent at any time.

It's your data, your call.

Data fiduciaries—a new term India introduces—are organizations that must act responsibly while handling your data. They're expected to protect it, not exploit it.

Accountability is real. If a company messes up and your data leaks? They'll face big penalties.

The message is simple: carelessness comes at a cost.

DPDP isn't just copying GDPR—it's shaped around India's unique needs. It's a beginning, not a finish line. But it does mark a shift where you're no longer the product—you're the owner of your own digital identity.

How the World is Protecting Your Data: A Friendly Overview

Data protection isn't just a trendy term anymore—it's a must. Every time we sign up for an app, visit a website, or make a payment online, we leave behind a digital footprint. Around the world, countries are stepping up to ask: How do we make sure personal information stays safe and respected?

Here's how some key regions are handling this challenge:

United States: Different Laws for Different Areas

In the U.S., there isn't one big law that covers all privacy concerns. Instead, there are different rules for different types of data. For example:

- HIPAA protects health information.
- COPPA safeguards kids' online info.
- CCPA (from California) gives people rights like knowing who has their data and saying no to its sale.

The tricky part? These laws aren't the same everywhere. What works in one state might not in another. It's like a patchwork quilt—some parts are strong, others have gaps.

Brazil: Learning from the Best

Brazil recently introduced its LGPD (Lei Geral de Proteção de Dados), inspired by Europe's GDPR but tailored for Brazil's needs.

If a company anywhere handles data from Brazilian citizens, it has to follow these rules. Brazil also set up a national authority (ANPD) to oversee it all. LGPD is Brazil's way of saying, "Your data matters here, too."

Japan: Privacy Without Slowing Down Business

Japan's privacy law, APPI, strikes a balance. It gives people clear rights over their data but keeps things smooth for businesses. That's why the European Union trusts Japan enough to allow data transfers without extra hurdles.

It's a practical approach—serious about privacy but not too complicated.

South Africa: New Rules, Big Promises

South Africa introduced POPIA, which focuses on giving people control over their data—how it's collected, used, and shared.

It's still new, so companies are learning to follow it properly. But it's a big step forward for

digital rights in Africa.

Country	Law Name	What Makes It Unique	Who Enforces It
EU	GDPR	Universal rules, strict penalties, global coverage	Data Protection Authorities
India	DPDP Bill (2023)	Consent-based, user-first approach	Data Protection Board of India
USA	CCPA, HIPAA, etc.	Industry-specific laws, opt-out choices	FTC + State-level bodies
Brazil	LGPD	GDPR-style, national enforcement body (ANPD)	ANPD
Japan	APPI	Clear, efficient, globally recognized	Personal Info Protection Comm.
South Africa	POPIA	Fresh law, rights-driven, still maturing	Information Regulator

Bottom Line

Every country is taking its own path to protect personal data. Some have strict rules from the start, others are still working on it—but the message is clear:

Your personal data isn't just numbers—it's part of who you are. It deserves to be handled with care.

For companies, this means more responsibility. Privacy can't be just an afterthought anymore—it has to be built in from the very beginning.

Conclusion: Where Law Meets Digital Life

Today, almost every part of our lives is connected to the internet—how we shop, learn, work, connect, and even think. With this huge shift to digital comes responsibility. That's where cyber law and data protection come in—not to hold us back, but to make sure everything is fair and safe for everyone.

The internet used to feel like a wild, unregulated place. But as our digital footprints grow, it's

clear we need rules and protections. Cyber laws help keep online spaces safe, while data protection laws guard our personal information—making sure companies and governments don't misuse it.

Among these changes, data protection stands out. Our personal data—like browsing habits, health info, or location—is more than just information. It's part of who we are. People everywhere now see that this data deserves the same respect and protection as our real-world identities.

India's Digital Personal Data Protection (DPDP) Bill, 2023 is a big step forward. It brings consent, transparency, and accountability into the conversation. It's not perfect yet, but it's a strong start and shows India's commitment to protecting digital rights alongside the rest of the world.

There's still work to be done. We need clearer rules, stronger enforcement, and real limits on surveillance and data collection.

The journey has begun.

Looking ahead, as AI, quantum technology, and new innovations emerge, our laws must keep pace—and so must we. This isn't just the job of lawmakers or tech experts. It's a shared effort among governments, businesses, technologists, and everyday people.

Because in the end, the goal is simple:

A digital world that's smart, innovative, and, above all, fair and human-centred.

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