LL. M. Course (2024)

YLM 208 - CYBER AND INFORMATION TECHNOLOGY LAW

I. Introduction to Cyber Space and Cyber Law

Cyber space, regulation, scope, current legal challenges; Cyber law - the Information technology law and its application; meaning of computer, computer network, computer system, communication device, addressee, originator

Statute

The Information Technology Act, 2000 - Section 1(2), Definitions -Section 2, subsections (b), (ha), (i), (j), (k), (l), (o), (v), (w), (za)

Readings

- 1. Richard Kemp, "Legal Aspects of Artificial Intelligence", (*Kemp IT Law*, v.2.0, Nov 2016) available at https://www.lexology.com/library/detail.aspx?g=25d955d3-9421-42fd-a7b1-8a54f0b9b235.
- 2. Robert Bond and Caroline Whiteley, "Untangling the Web: A review of certain secure e-commerce legal issues" 12(2) *International Review of Law, Computers & Technology* 349-370 (1998)
- 3. Tvisha Shroff and Katrin Kuhlmann, "A Legal Perspective on Digital Trade: Keeping the Internet Neutral" 8(2) *Trade L. & Dev.* 181 (2016)

II. Jurisdiction in Cyber Space

No geographical boundaries, applicability of traditional rules of jurisdiction on internet, rules of private international law; passive/interactive web sites; personal jurisdiction on defendant -Cause of action; plaintiff carries on business; Party autonomy - Hague convention on Choice of court agreements, 2005; adjudicating officer and cyber appellate tribunal under the Information Technology Act, 2000 (power of adjudging compensation and penalties under the Information Technology Act, 2000; no criminal jurisdiction)

Statute: The Civil Procedure Code, s.20; The Information Technology Act, s. 43, s.46, s.57, s.61, s.75, s.81

Cases:

Banyan Tree Holdings (P) Ltd v. A Murali Krishna Reddy, CS (OS) No. 894/2008, Del(DB), decided on 23/11/2009; World Wrestling Entertainment v. Reshma Collections, FAO (OS) 506/2013 in CM Nos. 17627/2013, 18606/2013, Del(DB) decided on 15/10/2014; Big Tree Entertainment v. Saturday Sunday Media Internet, CS (COMM) Nos. 53/2015 and 54/2015 (Del) decided on 21/12/2015; Impressario Entertainment v. S & D Hospitality, IA nos. 1950/2017 in CS (COMM) 111/2017 (Del) decided on 3rd Jan. 2018; Super Cassettes Industries Ltd v. Myspace Inc., IA No.15781/2008 & IA No. 3085/2009 in CS (OS) No. 2682/2008(Del) decided on 29/07/2011; P.R. Transport Agency v. Union of India, AIR 2006 All 23; Shailabh Jain vs The State of Madhya Pradesh, (Madhya Pradesh HC) M.Cr.C.No.7894/2013 decided on 01/11/2013; Driplex Engineering Ltd v. Mukesh Aggarwal, Adjudicating Officer (Del), decided on 15/10/2010; Vinod Kaushik v. Madhvika Joshi, WP(C) 160/2012, Delhi High Court, order dt. available at

https://it.maharashtra.gov.in/Site/Upload/ACT/Madhvika%20Vs%20Kaushik-highcourt.PDF v. *Amit Dilip Patwardhan Rud India Chains Pvt. Ltd.*, Adjudicating Officer, decided on 15/04/2013 complaint no. 1 of 2013 available at

https://it.maharashtra.gov.in/Site/Upload/ACT/AmitPatwardhanVsRudIndiaVipinRao%2015Apr%20201 3%20Rajesh%20Aggarwal.pdf

- Justice S. Muralidhar, "Jurisdictional Issues in Cyberspace", 6 Indian Journal of Law and Technology 1 (2010) [NSUI- Bangalore] available at Westlaw India, <u>http://ijlt.in/archive/volume6/1.pdf</u> \
- 2. David R. Koepsell, "An emerging ontology of jurisdiction in cyberspace" 2 *Ethics and Information Technology* 99–104 (2000).
- 3. Dan Jerker B Svantesson, "The choice of courts convention: how will it work in relation to the internet and e-commerce?" 5(3) *Journal of Private International Law* 517-534 (2009)
- 4. Graham Smith, "Here, There or Everywhere? Cross-border Liability on the Internet" 13(2) *CTLR-Oxford* 41-51(2007)

III. Electronic Contracts

Types of Electronic Contracts-email contracts, clickwrap contracts, shrinkwrap contracts;Issues of Security /Issues of Privacy/ Technical Issues Legal issues in Cyber Contracts-

International efforts to resolve the issues - UNCITRAL Models: E-commerce, 1996, Electronic signatures, 2001, Convention on Electronic Communications in International Contracts, 2005; Indian Position - Legal issues in cyber contracts - Formation of cyber contract; Standard form contracts -requirement of notice[(Specht v. Netscape Communications, 306 F. 3d 17 (October 1, 2002) Caspi v. The Microsoft Network, LLC., 1999 N.J. Super, Lexis 254 (July 2,1999)]; Writing and Signature Requirement; Legislative efforts under the Information Technology Act, 2000 - Legal recognition of electronic record and electronic signatures; digital signature -its functions, asymmetric cryptosystem, key pair, public key, private key, Secure electronic record and secure electronic signature, Public key Infrastructure

Statute

The Information Technology Act, 2000 - Sections 2 (d), (p), (r), (t), (ta), (tb), (x), (zc), (zd), (zh), ss.3 to 5, ss.10A to 26, ss. 35-42

Cases

World Wrestling entertainment v. Reshma Collections, FAO (OS) 506/2013 in CM Nos. 17627/2013, 18606/2013, Del(DB) decided on 15/10/2014; P.R. Transport Agency v. Union of India, AIR 2006 All 23

Readings

1. E-books -available at uncitral.org

Guide to Enactment of the UNCITRAL Model Law on Electronic Commerce (1996)

Guide to Enactment of the UNCITRAL Model Law on Electronic Signatures (2001)

United Nations Convention on the Use of Electronic Communications in International Contracts, 2005-Explanatory Note by the UNCITRAL secretariat

- 2. Chris Connolly, Prashanti Ravindra, "First UN Convention on eCommerce finalised" 22 Computer Law & Security Report 31–38 (2006)
- 3. Faye Fangfei Wang, E-confidence: Offer and acceptance in online contracting 22(3) *International Review of Law Computers & Technology* 271-278 (2008)
- 4. Hemali Shah and Aashish Srivastava "Signature Provisions in the Amended Indian Information Technology Act 2000: Legislative Chaos", 43 Comm. L. World Rev. 208 2014 available at http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2748441
- 5. Videos and Power point presentations on :

i) Digital Signatures, ii) Creating Trust in electronic environment, iii) PKI Technology- Role of CCA available at <u>www.cca.gov.in</u>

IV. IPR in Cyber Space

(i) Copyright in Digital Environment

Subject matter of Copyright- Multimedia works, software, web page design, music, movies etc.; Rights and Infringement in cyberspace - Reproduction, Communication to public, Public Performance, Adaptation, contributory ISP liability [downloading and sharing through Naptser, Kazza and other file sharing softwares); *Cello Partnership* v. ASCAP, 663 F.Supp. 2d (S.D.N.Y. 2009) *Video*

Pipeline Inc..v. *Buena vista Home entertainment*, 192 F.Supp. 2d 321 D.N.J. 2002}]; Fair Dealing in digital environment [*Google book Project Case*; On line Plagiarism detection services Case (~ *A.V.* v. *iParadigms*, 502 F.3d 630 (4th Cir. 2009)]; Digital Rights Management and Circumvention of Technological Measures ; WIPO Copyright Treaties, 1996

Statute

The Copyright Act, 1957 - Sections 16, 13, 14, 37, 51, 52(a), (b), (c), 65A, 65B The Information Technology Act, 2000- s.79, s..81 *Case Myspace Inc.* v. *Super Cassettes Industries Ltd*, FAO(OS) 540/2011, C.M. APPL.20174/2011, 13919 & 17996/2015 (Del DB) decided on 23/12/2016; *Star India Pvt. Limited* v. *Haneeth Ujwal*, I.A. No.13873/2014 (Del) in CS(OS) 2243 of 2014 decided on 26/07/2014, available at http://lobis.nic.in/ddir/dhc/MAN/judgement/31-07-2014/MAN28072014S22432014.pdf

Readings

- Lawrence Lessig, "Code:Version 2-Intellectual property", 2 Indian Journal of Intellectual Property 1 (2009) [NALSAR Hyderabad], available at Westlaw India , https://www.nalsar.ac.in/IJIPL/Files/Archives/Volume%202/1.pdf
- Arnab Naskar¹ & Shubhangi Gupta, "Digital Rights Management: a Pandora's Box Trying To Wipe Off The Rights Of Consumers", 5 Indian Journal of Intellectual Property Law 45 (2012) [NALSAR-Hyderabad] available at Westlaw India, <u>https://www.nalsar.ac.in/pdf/Journals/IJIPL_2013_Final.pdf</u>

(ii) Trademark

Infringement and Passing Off - ss.28-29 the Trade Marks Act, 1999; Trademarks in Digital Environment-Reputed marks registered as domain names [*Super Cassettes Industries Ltd.*.v. *Mr. Wang Zhi Zhu Ce Yong Hu*, MANU/DE/2000/2008] Cybersquatting [*Aqua Minerals* v. *Pramod Barse*, 2001 PTC 619 (Del)]; Typosquatting [*Yahoo Inc.* v. *Manoj Taslani*, 2015(61) PTC 263 (Del)]; Domain name dispute resolution under Uniform Domain Name Resolution Policy (UDRP) and .IN Domain Name Resolution Policy (INDRP); Intermediary liability – Sale of Keywords by web portals identical with trade marks to advertisers, use as metatags; liability of online marketplaces towards direct selling entities for listing of goods on their website without consent [*Amway v Img*, IA No. 11335/2018 in CS (OS) 410/2018 (Del) decided on July 8, 2019, <u>http://indiankanoon.org/doc/145401736/</u>, and *Amazon Seller Services Pvt Ltd.* v. *Modicare Ltd*, FAO (OS) 133/2019 and CM APPL. 32954/2019 Del (DB) decided on 31 Jan. 2020, available at <u>http://indiankanoon.org/doc/43335747/</u>],

Cases

Satyam Infoway Ltd v Sify net solutions Pvt. Ltd., AIR 2004 SC 3540

Consim India Pvt. Ltd v. Google Inc. Pvt. Ltd., (Mad) OA No. 977 and 978 of 2009 in CS(OS) Mo. 832 of 2009 decided on 30/09/2010 and Mad(DB) OSA No. 406 and 407 of 2008 decided on 10/09/2012. Supreme Court order dated 19/10/2012 SLP (C) Nos. 32134-32135 of 2012, See also Google v. DRS Logistics, FAO(OS)(COMM) 2/2022 & FAO(OS) (COMM) 22/2022 (Del) decided on 10/08/2023

(iii) Databases

Copyright Protection, Protection under IT Act - failure to protect sensitive data or information and disclosure of personal information, preservation of information by intermediaries; Right to be forgetten [600 Google Spain SL; Google Inc v. Agencia Española de Protección de Datos; Mario Costeja González, Court of Justice of the European Communities (Grand Chamber), Case C-131/12, [2014] E.M.L.R. 27, decided on 13 May 2014]

Statute

The Information Technology Act, 2000, ss.43 A, 72A, 67C., the Information Technology (Reasonable Security Practices and Procedures and Sensitive Personal Data or Information) Rules, 2011 - Rule 2(b), (h), (i); Rule 3.

Cases

Sanjay Dhande v. ICICI Bank and Vodafone complaint no. 30 of 26th Sep.2013 available a:https://it.maharashtra.gov.in/Site/Upload/ACT/DIT_Adjudication_SanjayDhande_vs_ICICI&Ors-1601 2014.pdf (s. 43 A); Chander Kalani v. SBI Bank, complaint no. 1 of 2014 decided on 12/01/2015 available https://it.maharashtra.gov.in/Site/Upload/ACT/DIT_Adjudication_Chander%20Kalani_Vs_SBI_Ors-120 12015.PDF (s. 43 A), State Bank of India v. Chander Kalani TDSAT Cyber Appeal No. 13of 2015 decided on July 31,2018 available at tdsat.gov.in; State of Maharashtra v. Vishal Hiraman Bhodade,R.C.C. No. 2095/2013, Court of Judicial Megistrate Ist Class, Pune decided on 31/07/2015

- available at <u>www.prashantmali.com</u> (s.67C) *Readings*1. David J. Kessler, Sue Ross and Elonnai Hickok, "A Comparative ...
- 1. David J. Kessler, Sue Ross and Elonnai Hickok, "A Comparative Analysis of Indian Privacy Law and the Asia Pacific Economic Cooperation Cross-Border Privacy Rules", 26 (1) National Law School of India Review (NLSI Rev.) 31 (2014) [NLSIU Bangalore] available at Westlaw India https://drive.google.com/file/d/1-1copZRxSI9H3GMDD-tsmB6Sg_XWd09K/view
- Deepu Jacob Thomas & Prasan Dhar, "Of Square Pegs and Round Holes: Towards a new paradigm of Database Protection", 4 Indian Journal of Law and Technology 35 (2008) [NLSIU Bangalore] available at Westlaw India <u>http://ijlt.in/wp-content/uploads/2015/08/Thomas-Dhar-Of-Square-Pegs-and-Round-Holes-4-Indian-J. -L.-Tech.-34.pdf</u>
- 3. Report of the Group of Experts on Privacy (Chaired by Justice A P Shah, Former Chief Justice, Delhi High Court) available at <u>http://planningcommission.nic.in/reports/genrep/rep_privacy.pdf</u>

V. Cyber Crimes

Introduction to Cyber crimes and cyber forensics ; Kinds of cyber crimes – Fraud and identity theft, cyber stalking; cyber pornography; Cyber terrorism; cyber defamation, Phishing, Hacking etc.; Issues relating to Investigation, Jurisdiction, Evidence

Statute

The Information Technology Act, - ss. 43, 66, 66A, 66 B, 66C, 66D, 66F, 67, 67A; s. 78, s.75; the Code of Criminal Procedure, 1973 - ss. 177-179, 186,188 and 189; the Evidence Act, 1872 -ss. 65A and 65 B *Reference Cases*

SMC Pneumatics (India) Pvt. Ltd. v. *Jogesh Kwatra*, suit no. 1201/2001, New Suit No. 65/14 decided on 12/02/2014 Delhi District Court; *State of Tamil Nadu* v. *Suhas Katti*,Decided by CMM, Egmore, decided on Nov. 5, 2004 available at <u>http://www.prashantmali.com/cyber-law-cases;</u>

http://www.legalserviceindia.com/lawforum/index.php?topic=2238.0; Shreya Singhal v U.O.I, SC decided on 24/03/2015, available at http://indiankanoon.org/doc/110813550/; Rakesh v.Central Bureau, Delhi District Court, decided on 5 February, 2011, available at: http://indiankanoon.org/doc/90364172/; State of A.P. through Inspector of Police, Cyber Crimes P.S., CID, Hyderabad v. Prabhakar Sampath, Add. CMM Hyderabad, decided on 31/03/2015, CC 489 0f 2010 available at: www.prashantmali.com/cyber-law-cases; NAASCOM v. Ajay Sood, 119 (2005) DLT 5960,2005 (30) PTC 437 Del; State of Maharashtra v. Opara Chilezian, Regular Criminal Case No. 724/2012 decided on 28/10/2013 (Nigerian Email Scam Case) available at www.prashantmali.com;

Maqbool Fida Husain v. *Raj Kumar Pandey*, Delhi HC decided on 8/5/2008, CRL. REVISION PETITION NO.114/2007, available at http://indiankanoon.org/doc/1191397/; *Anvar P.V v. P.K.Basheer*, Supreme Court, decided on 18 September, 2014, Civil Appeal No.. 4226 of 2012, available at

http://indiankanoon.org/doc/187283766/, Arjun Pandit Rao Khotkar v. Kailash Kushanrao Gorantyal, 2020 SCC Online SC 571, Ravinder Singh @ kaku v. State of Punjab, (SC) decided on 4 May 2022 available at https://indiankanoon.org/doc/151246922/

Readings

1. Swati Mehta, "Cyber Forensics and admissibility of Digital Evidence", 2012 Practical Lawyer January S-23, available at:

http://www.supremecourtcases.com/index2.php?option=com_content&itemid=135&do_pdf=1&id=22821

 Sherry L. Xie, "Building Foundations for Digital Records Forensics: A Comparative Study of the Concept of Reproduction in Digital Records Management and Digital Forensics", 74(2) *The American Archivist* 576-599 (Fall/Winter 2011)available at: <u>http://www.jstor.org/stable/23079051</u>

Obscenity and Pornography

Internet and Potential of Obscenity, Indian legal position; pornography and Article 19(1)(a); child pornography

Statute

The Information Technology Act - Sections 66E, 67, 67A, 67B read with POCSO Act, 2012 *Reference Cases:*

Kamlesh Vaswani v Union of India and others, Supreme Court of India. Order dated 26 February 2016, I.A. No.5 of 2015 in WP (C) No.177 of 2013, 2016 INDLAW SCO 12; The State (Cyer Cell) v.

Yogisha @ Yogesh Pandurang Prabhu, ACMM, 37TH COURT, ESPLANADE, MUMBAI C.C. NO. 3700686/PS/2009 decided on 3/07/2015 available at:

http://www.cyberlawconsulting.com/Yogesh%20Prabhu%20Vs%20State-%20Cyber%20Stalking.pdf;

State v. Jayanta Kumar Das, GR Case No. 739 of 2012, TR No. 21/2013, Sub divisional Judicial Megistrate, Puri (Orissa) decided on 04/08/2017 available at

http://services.ecourts.gov.in/ecourtindia_v5/cases/display_pdf.php?filename=/orders/216300014342017_1.pdf&casene=Cr.case/1434/2017&cCode=12&appFlag=web

Maqbool Fida Husain v. *Raj Kumar Pandey*, Delhi decided on 8/5/2008 (*Supra*); *Avinash Bajaj* v.*State* Delhi HC decided on 29/05/2008, available at <u>http://indiankanoon.org/doc/309722/</u>; *Vaibhav Jain* v. *Vice Chancellor Devi ahilya Vishwavidyalaya*, MP (HC) decided on 3rd Jan 2002, available at <u>http://indiankanoon.org/doc/521882/</u>

Readings

- 1. Geetha Hariharan, "Our Unchained Sexual Selves: a Case For The Liberty To Enjoy Pornography Privately", 7(2) NUJS L Rev. 89 (2014), available at Westlaw India; <u>http://nujslawreview.org/2016/12/04/our-unchained-sexual-selves-the-case-for-the-liberty-to-enjoy-pornography-privately/</u>
- Chinmayi Arun, "Gatekeeper Liability and Article 19(1)(a) of The Constitution Of India", 7(2) NUJS L. Rev. 73 (2014), available at Westlaw India;

http://nujslawreview.org/wp-content/uploads/2016/12/Chinmayi-Arun.pdf

3. Yaman Akdeniz, "Governing Pornography & Child Pornography on the internet- the UK Approach", available at http://www.cyber-rights.org/documents/us_article.pdf

VI. Freedom of Speech & Human Rights Issues in Internet

Freedom of Expression in Internet; Issues of Censorship -Blocking of content- hate speech, national security(blocking of yahoo groups, facebook contents etc.); liability of intermediary; Privacy Issues – Information Privacy; interception, monitoring [*Apple iphone* v. *IFB* (privacy v national security), *Ratan Tata* v. *Union of India*, Writ Petition (Civil)No. 98 of 2010]; Computer emergency response team (CERTin)

Statute

The Information Technology Act, 2000 - ss 69, 69A, 70B, s.79 Cases: Shreya Singhal v U.O.I, SC decided on 24/03/2015 (Supra) Justice K S Puttaswamy (Retd.) v. Union of India, WRIT PETITION (CIVIL) NO 494 OF 2012 (SC) delivered on 24/08/2017

Readings

1. Kamlesh K Bajaj, "Apple v. National Security", Indian Express (7th March, 2016) available at <u>https://indianexpress.com/article/opinion/columns/apple-vs-fbi-national-security/</u>

- 2. Kamlesh K Bajaj, "Papa don't preach", Hindu Business Line (27th Sep. 2013) available at <u>https://www.thehindubusinessline.com/opinion/Papa-don't-preach/article20665696.ece#</u>!
- 3. Kamlesh K Bajaj, "Right to privacy in digital age", The Hindu (12 Jan. 2014) available at https://www.thehindu.com/opinion/op-ed/the-right-to-privacy-in-the-digital-age/article5563151.ece

VII. Cyber Warfare

National Security and Cyberspace – threats to cyber domain; Cases on Cyber attacks – Estonia Case, Georgia Case and Stuntext & Iranian Nuclear Programme, Whispergate destructive malware; Cyber Terrorism – legal framework in U.K. and Indian criminal law; Cyber attack– war or a conflict or espionage? – application of international principles *of jus ad bellum* and *jus in bello*

Statute

S. 66F, the Information Technology Act, 2000; s.1, the U.K. Terrorism Act, 2000 *Readings*

- Derek S. Reverson, "An Introduction to National Security and Cyberspace" in Dereck S. Reverson (ed.), Cyberspace and National Security; Threats, oppurtunities and power in a virtual world pp.4 -19 (2013)
- 2. Johann ChristophWoltag, Cyber warfare; Military Cross Border Computer Network Operations under International Law, Chapter 1(Case Studies-Estonia, Georgia etc.) pp.38-51 (2014)
- 3. Stuart Macdonald, "Cyber terrorism and Enemy Criminal Law" in Jens David Ohlin et. al.(eds.), *Cyberwar; Law and ethics for virtual conflicts* pp. 57-75 (2015), available at https://cronfa.swan.ac.uk/Record/cronfa16648
- 4. Clair Finkelstein and Kevin Govern, "Introduction; Cyber and Changing face of War" in Jens David Ohlin et. al.(eds.), *Cyberwar* pp ix-xvi (2015), available at https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2598671
- 5. Dr Kamlesh Bajaj, Virtual Force; Cyberspace entails critical protection just like land, air, sea and space 9(2) FORCE (National Security and Defence News Magazine) pp. 77-80 [October 2011]
- Christopher S. Yoo, "Cyber Espionage or Cyberwar; International Law, Domestic Law, and Self Protective Measures" in Jens David Ohlin et. al.(eds.), *Cyberwar; Law and ethics for virtual conflicts* 175-194, Available at <u>http://ssrn.com/abstract=2596634</u>

Books on Cyber Laws

- Kamath Nandan, Law Relating to Computers Internet & E-commerce A Guide to Cyberlaws & The Information Technology Act, Rules, Regulations and Notifications along with Latest Case Laws 2016
- Kamlesh K Bajaj, Debjani Nag, E-commerce: the cutting edge of business, 2nd Ed. 2017
- Vakul Sharma, Information Technology Law & Practice, 8th ed. 2023
- Karnika Seth, Computers Internet and New Technology Laws, 2nd ed. 2016
- Apar Gupta Commentary on Information Technology Ac, t, 3rd ed. 2015
- Alwyn Didar Singh, E-Commerce In India: Assessments And Strategies For The Developing World 2008
- Chris Reed, Internet Law Text and Materials 2010
- <u>Aparna Viswanathan</u>, Cyber Law (Indian & International Perspectives on key topics including Data Security, E-commerce, Cloud Computing and Cyber Crimes) 2012
- Ashwani K. Bansal, Law of Trade Marks in India 2014
- Lawrence Lessig, *Code and Other Laws of Cyberspace* 1999, Code version 2.0, Basic Books Publication (2006)
- Ferrera et al, Cyber Law Text and Cases, South-Western, Cengage Learning, 3rd Ed. (2012)
- Prashant Mali, Cyber Law and Cyber Crimes, Snow white Publications 2nd Ed.(2015)
- Debrati Halder & H Jaishanker, Cyber Crimes Against Women, Sage Publications 1st Ed.(2017)

- Internet Law and Practice by International Contributors, West Thomson Reuters, South Asian Edition (2013)
- Derek S. Reverson (ed.), *Cyberspace and National Security;Threats, Oppurtunities, and Power in the Virtual World*, Satyam Law International, First Indian Reprint (2013)

Note : The cases/readings/topics mentioned above are not exhaustive. The teachers teaching the course shall have liberty to add new cases/readings/topics

The students are required to study the legislations as amended from time to time and consult the latest editions of the book