A gift of fire social legal and ethical issues in computing

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Legal and Ethical Issues in Computing**

Definition

Legal and ethical issues in computing encompass the legal and moral implications of using, creating, and disseminating technology. These issues arise from the ethical and social impacts of computing, and the need to balance the advancement of technology with the protection of individual rights, societal values, and the environment.

Social, Legal, and Ethical Issues

- Privacy and data protection
- Intellectual property and copyright infringement
- Cybersecurity and data breaches
- Online harassment and cyberbullying
- Misinformation and fake news

Social, Ethical, and Professional Issues

- Accessibility and digital divide
- Bias in algorithms and Al
- Responsible use of social media and technology
- Professional conduct and code of ethics

Environmental impact of computing

Four Issues of Computer Ethics

- Intellectual property rights
- Privacy and confidentiality
- Accuracy and reliability
- Accountability and responsibility

Social Issues in Computing

- Digital divide and access to technology
- Impact of social media and technology on mental health
- Cyberbullying and online harassment
- Misinformation and its consequences

Ethical and Legal Issues in Practice

- Copyright infringement in software and media
- Data breaches and privacy violations
- Cybercrime and fraud
- Misuse of surveillance technologies
- Ethical considerations in Al development

Ethical and Legal Issues in Information Systems

- Privacy and confidentiality of data
- Security and integrity of systems
- Ethical use of personal information
- Accountability for system failures

Ethical and Legal Issues in Computer Security Systems

- Cybersecurity and data protection
- Ethical hacking and penetration testing

- Data encryption and privacy
- Responsibility for security breaches

Five Main Ethical Issues

- Autonomy and privacy
- Beneficence and non-maleficence
- Justice and fairness
- Accountability and responsibility
- Transparency and informed consent

Ethical and Social Implications of Technology

- Automation and job displacement
- Ethical use of facial recognition and surveillance
- Social media and the spread of disinformation
- Impact of AI on decision-making and bias
- Environmental consequences of technology

Legal and Ethical Issues in Cryptography

- Encryption and privacy
- Access to encrypted data for law enforcement
- Key management and vulnerability to attacks

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