Course :

EPC 3

Critical Understanding of ICT

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UNIT 1.c

Issues and Concerns Related to ICT

Unit 1: Integrating, Developing and Disseminating ICT enabled educational resources

1.1 Introduction

1.2 Challenges

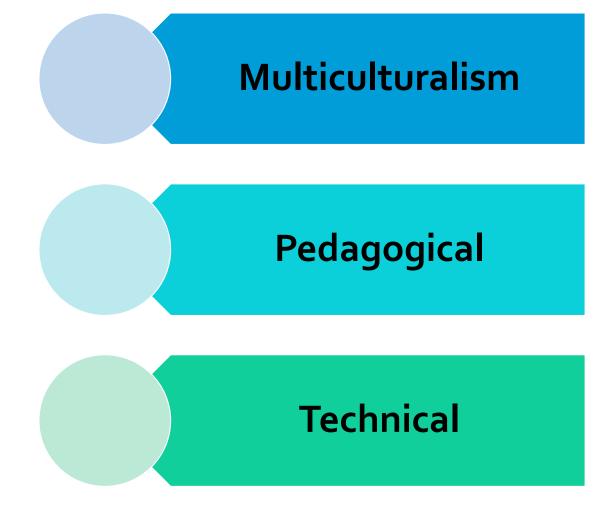1.3 Legal and Ethical Issues

1.5 Conclusion

1.1 INTRODUCTION

ICT security issues and concerns are becoming more prevalent and increasingly complex as the pace of technology implementation continues to accelerate.

The importance of ICT does not lie in the technology as such, but in its enabling function for access to knowledge and for communication with others.

Rapid advances in ICT have continued to drive economic change, restructure businesses, affect education and employment, and contribute significantly to growth and wealth creation.

1.2 Challenges

Multiculturalism

Pedagogical

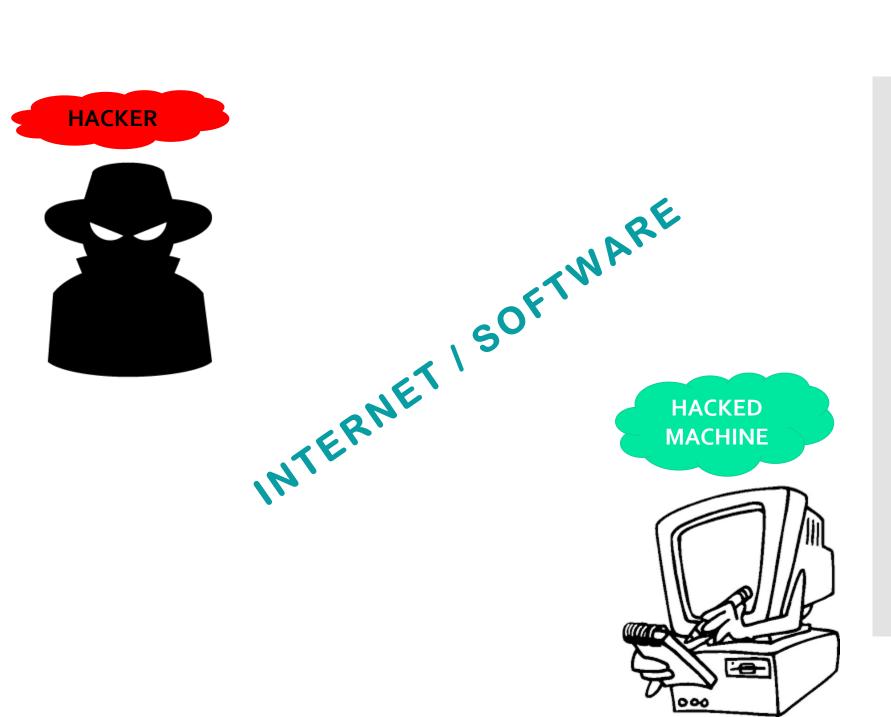**Technical**

1.3 Legal and Ethical Issues

1. HACKING

Hacking is an attempt to exploit a computer system or a private network inside a computer. Simply put, it is the unauthorised access to or control over computer network security systems for some illicit purpose.

1.3 Legal and Ethical Issues

1. HACKING

HACKER

INTERNET / SOFTWARE

HACKED MACHINE

1.3 Legal and Ethical Issues

1. HACKING

SOLUTION

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1.3 Legal and Ethical Issues

2. Violation of Copyright

Copyright infringement is the use of works protected by **copyright** law without permission, infringing certain exclusive rights granted to the **copyright** holder, such as the right to reproduce, distribute, display or perform the protected work, or to make derivative works.

CONSEQUENCES

1.3 Legal and Ethical Issues

2. Violation of Copyright

The legal **penalties for copyright** infringement are: Infringer pays the actual dollar amount of damages and profits. The law provides a range from $200 to $150,000 for each work infringed. Infringer pays for all attorneys fees and court costs.

1.3 Legal and Ethical Issues

2. Violation of Copyright

COPYRIGHT vs PLAGARISM

The two are similar in some aspects, however the two are distinctively different.

Plagiarism is claiming attribution for a work you did not author, or using someone else's work without proper attribution.

Copyright infringement is using someone else's work without obtaining their permission.

1.3 Legal and Ethical Issues

2. Violation of Copyright

Whom to Approach to Copyright?

Copyright Registration India

Address: Borabazar Precinct, Ballard Estate, Fort, Mumbai, Maharashtra

1.3 Legal and Ethical Issues

3. Downside of Social Media

Let us look at Upsides

- ✓ Finding romance
- ✓ Seeking a new job
- ✓ Locating assistance
- ✓ Getting and giving product and service referrals
- ✓ Receiving support from like-minded individuals
- ✓ Making or receiving career or personal advice
- ✓ Sharing political beliefs
- ✓ Accessing news in real time

1.3 Legal and Ethical Issues

3. Downside of Social Media

Let us define the Downsides

✓Fake Identity/ Impersonation/ Identity Theft

✓Fraud

✓Backlash

✓Cyber Bullying

✓Time Waster

✓Exposure of Privacy

✓Social Pressure

✓Rumors

1.3 Legal and Ethical Issues

OTHER ISSUES

Virus

Worm

Trojans

Logic Bombs

Phishing

Pharming

Encryption

1.4 Conclusion

The real concerns of ICT come....

✓ **When the hype wins out over the real benefits of the technology.**

✓ **When it's about the technology, not the information and communications needs.**

✓ **When technology is designed from afar and parachuted in.**

✓ **When the technology is part of a larger hidden agenda.**

✓ **When technology innovations put people and lives at risk.**

KEEP CALM AND LISTEN TO THE CONCLUSION

1.5 Conclusion

KEEP CALM AND LISTEN TO THE CONCLUSION

- ✓ When DIY disregards proven practice.

- ✓ When the goal is not development but brand building through social media.

- ✓ When new media and new technologies put human rights activists at risk of identification and persecution.

- ✓ When ICTs and new media turn activism to slacktivism.

- ✓ When innovation and authenticity is replaced by plagiarism

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