**IT's Societal Role**

**1. IT's Societal Role (C-N-S-D)**

* Tools: Computers, networks, software, data for storage/retrieval/transmission.
* Medium: Access/share/transform info.

**2. Evolution (P-R-M)**

* Pre-Internet: Mainframes (science/gov).
* 1990s: Internet commercialization.
* 2000s: Smartphones, cloud, AI, blockchain, IoT.

**3. Social Context (C-E-P-E)**

* Mutual influence: Society shapes tech; tech shapes society.
* Cultural: Values drive adoption.
* Economic: Jobs, trade.
* Political: Governance, surveillance.
* Education: Unequal access impacts hierarchies.

**4. Enabler of Transformation (C-E-C-H)**

* Communication: Email, social media.
* Education: E-learning.
* Commerce: E-commerce, payments.
* Healthcare: Telemedicine, AI diagnostics.

**5. Positive Impacts**

* Connectivity: WhatsApp, Zoom, Teams for global/remote work.
* Education/Health: MOOCs for access; AI/wearables for better care.

**6. Negative Impacts (D-P-C-J-M)**

* Divide: Uneven access.
* Privacy: Data collection.
* Cyber: Attacks, theft.
* Jobs: Automation displacement.
* Mental: Addiction, isolation.

**7. Professional Responsibilities (L-C-P)**

* Learning: Update skills.
* Collaboration: Cross-sector experts.
* Conduct: IEEE/ACM codes for trust.

**8. Ethical Responsibilities (D-R-A-H)**

* Data: GDPR/HIPAA security.
* AI: Bias-free, transparent.
* Avoid Harm: Prevent misuse.
* Honesty: Clear limits.

**9. Social Responsibilities (B-P-S-A)**

* Bridge Divide: Inclusive tech.
* Promote Literacy: Training.
* Sustainability: Green code.
* Advocacy: Policy on rights.

**10. Case Studies**

* Cambridge Analytica: Data misuse in elections.
* AI Hiring: Bias against minorities.

**11. IT Pro's Role**

* Architects of ethical future in digital world.

**12. Future Outlook (E-I-G-C-G)**

* Ethical AI: Equity-focused.
* Inclusive: No one left behind.
* Green: Reduce environmental impact.
* Cybersecurity: Resilient systems.
* Global: Cross-border collaboration.

**13. Conclusion**

* Dynamic IT-society link: Benefits with dilemmas.
* Commit to ethics, justice for sustainable progress.