Innovative Technologies and Critical Thinking: Exploring the Future

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Class Days/Times: Wednesday's 11:00am – 12:15pm

Course Description

This interactive class invites learners to explore emerging technologies while sharpening their critical thinking skills. Together, we will experiment with accessible tools for creativity and communication—such as website builders, video platforms, and survey tools—while also examining the broader societal implications of cutting-edge technologies like artificial intelligence, autonomous vehicles, and space exploration. Participants will leave with both practical insights and thought-provoking questions about the future.

Learning Objectives

By the end of this course, participants will be able to:

- Understand basic applications of digital tools for creating content (website, video, surveys, campaigns).

- Understand key challenges and opportunities presented by emerging technologies.

- Apply critical thinking to evaluate the ethical, social, and practical implications of these technologies.

- Discuss future scenarios and their potential impact on individuals, communities, and society.

Hands-On Exploration: Practical Tools

Participants will be introduced to different modern platforms. Short demonstrations and discussion on real-world applications.

- Campaign design: Canva for visuals + Ai Integration

- Website creation: WordPress / Wix / Weebly

- Video creation: Clipchamp and Animoto

- Survey design: Google Forms and SurveyMonkey

Critical Thinking & Future Technologies

Discussion and articles on:
- Social Media: Impact on self-esteem, misinformation, and personal responsibility etc.
- Weather Technology & Predictive AI: Benefits for disaster prevention vs. risks of over-reliance. Generative vs Predictive Ai, Big Data
- The World Wide Web — Past, Present, and Future: How the web has evolved from static pages to social media and AI-driven platforms. Discussion on accessibility and what's next. Digital Ethics.
- Data Security, Privacy, and Identity Theft: How do we protect ourselves? What happens to our information?
- Autonomous Vehicles & Drones: Safety, ethics, and societal transformation.
- Space Exploration: Human ambition, colonization ethics, and resource extraction.

COURSE SCHEDULE:

Week	Tool	Critical Thinking Topic
1	Design Tools	Ai / Social Media
2	Video	Weather – Generative vs Predictive Ai, Big Data / Autonomous Vehicles & Drones
3	Web Development	Web - Past, Present and Future / Space Exploration
4	Surveys	Data Security – what happens to our information?