

Digital Learning Material via Integrated Delivery Mechanism

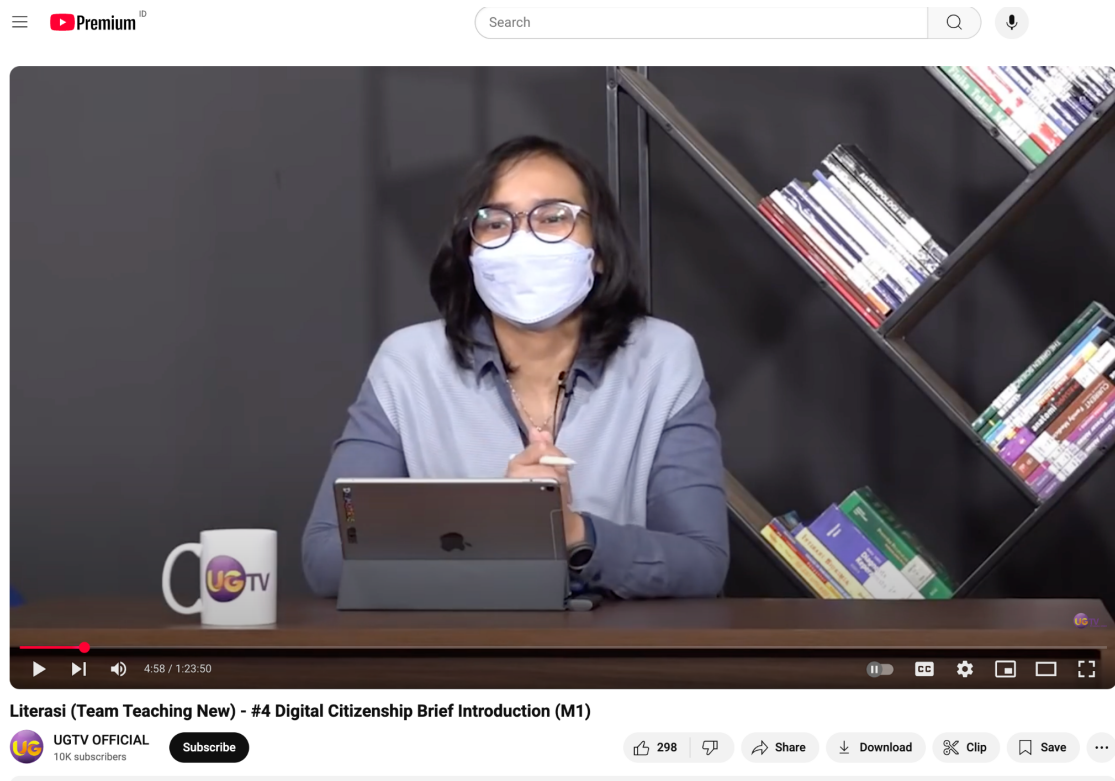
Team teaching is a transformational instructional approach proposed by Universitas Gunadarma in which two or more educators collaboratively plan, deliver, and evaluate a course or learning program. Team teaching is held in two methods: the synchronous and asynchronous approach. The synchronous methods involve UGTV (the first educational community TV in Indonesia, owned by Universitas Gunadarma) to broadcast the material for the students, later students are assigned to our e-learning platform to reflect on the material given. Each of the sessions is designed to be taught by a lecturer and industrial experts each week. The team teaching approach highlights the use of Artificial Intelligence in our lives. The students are assigned into two groups, which are the social humaniora group and engineering technology based on their study programs.

Unlike the common lecturing session, there is a group of lecturers who collaborate and are responsible for delivering the course session. This method integrates the strengths, expertise, and perspectives of each instructor to enhance the quality of teaching and enrich the learning experience for students. In a team teaching model, educators work together to develop course objectives, coordinate lesson plans, and share responsibility for classroom instruction.

Depending on the design, instructors may alternate leading sessions, co-present content, or divide roles based on subject expertise. Team teaching promotes interdisciplinary learning, fosters critical thinking, and encourages active student engagement through diverse teaching styles and collaborative methods. This approach also supports professional development among instructors through peer learning, mutual feedback, and reflective practice.

1. Course Content: Digital Citizenship

- **Description:** Discusses aspects of ethical, safe, and responsible digital citizenship. Students are invited to understand digital access, communication, digital literacy, data security and privacy, cyber law, digital rights and obligations, and ethical behavior in digital spaces.
- **Relevance to AI Ethics:** Fostering ethical awareness and responsibility in using AI-based technologies in a digital society.
- **Activity Evidence Link:**



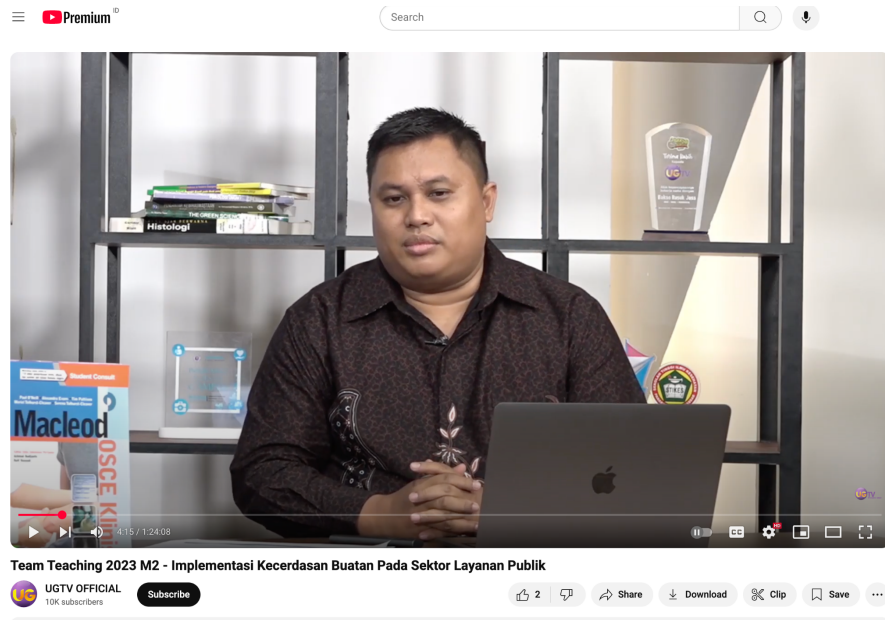
Link: [YouTube UGTV 1](#)



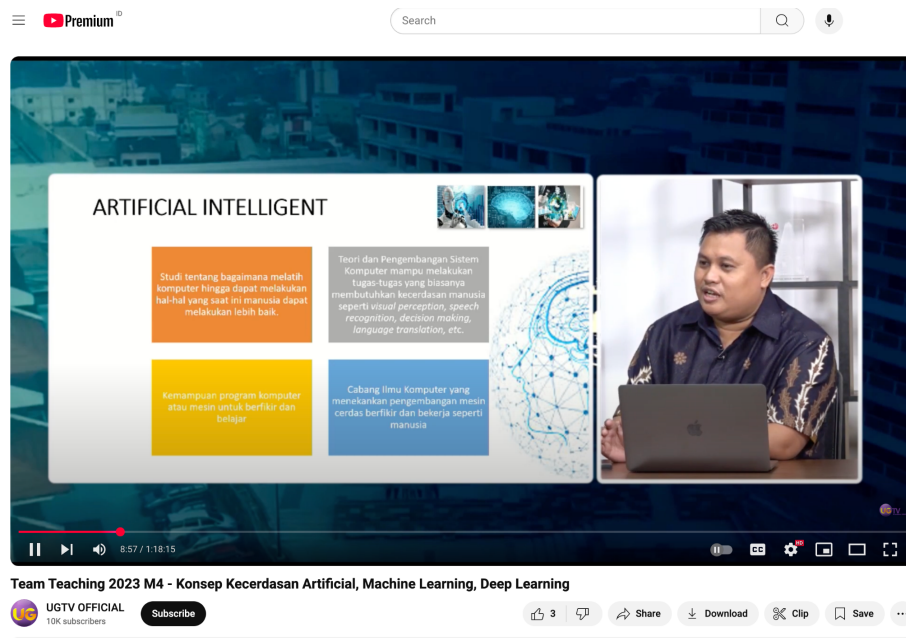
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2. Course Content: Artificial Intelligence & Society

- **Description:** Analyzes the role of AI in human life across sectors: education, public services, law, arts, business, psychology, health. Discusses the opportunities and challenges as well as the social and ethical impacts of AI implementation.
- **Relevance to AI Ethics:** Explicitly examines the social, legal, and ethical impacts of AI; touches on AI justice, responsibility, and sustainability.
- **Activity Evidence Link:**



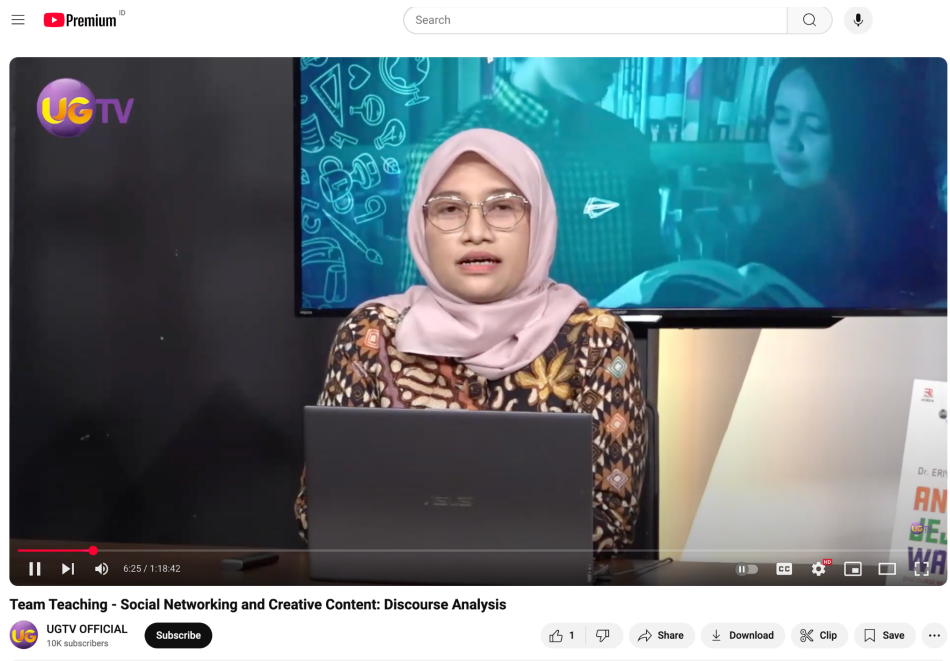
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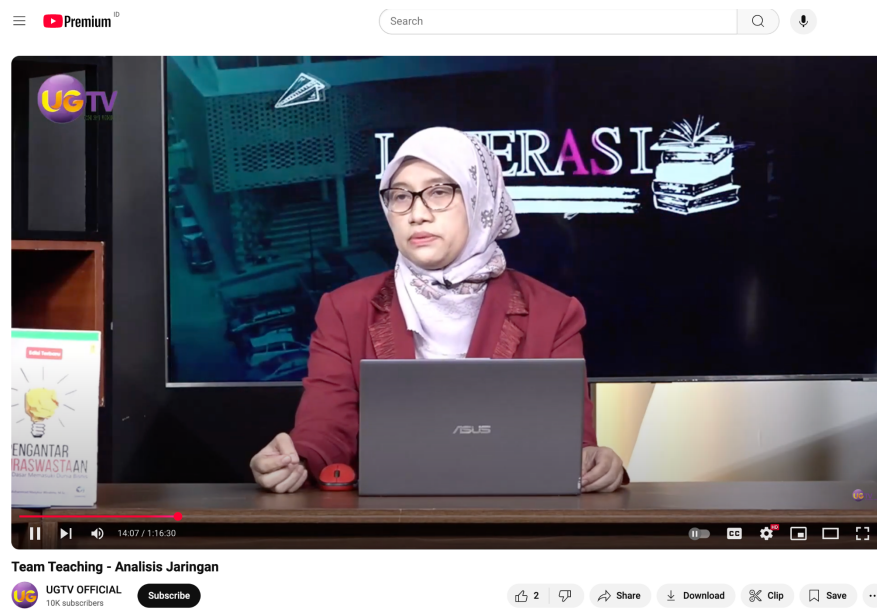
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3. Course Content: Social Networking & Creative Content

- **Description:** Focuses on social network analysis, digital content production, and ethics studies in digital campaigns using DNA (Discourse Network Analysis) and SNA (Social Network Analysis).
- **Relevance to AI Ethics:** Ethical use of social data, privacy, and algorithmic bias in processing information from social networks.
- **Activity Evidence Link:**



Link: [YouTube UGTV 1](#)




Link: [YouTube UGTV 2](#)

4. Course Content: Data Science & Big Data Analytics

- **Description:** Apply data science and big data techniques to study digital behavior, sentiment analysis, hoax detection, and social issues using NLP, graph, and visual recognition approaches.
- **Relevance to AI Ethics:** Raises ethical issues related to privacy, misinformation, and the use of AI in big data-based decision making.
- **Activity Evidence Link:**

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Mengapa Big Data Penting?

- Pentingnya big data tidak berkisar pada seberapa banyak data yang miliki, tetapi apa yang dilakukan dengan data tersebut, dapat mengambil data dari sumber apa pun dan menganalisisnya untuk menemukan jawaban yang memungkinkan untuk:
 - 1) pengurangan biaya,
 - 2) pengurangan waktu,
 - 3) pengembangan produk baru, dan penawaran yang dioptimalkan, serta
 - 4) pengambilan keputusan yang cerdas.

Jika menggabungkan big data dengan analitik berkekuatan tinggi, dapat menyelesaikan tugas-tugas yang terkait dengan bisnis seperti:

- Menentukan akar penyebab kegagalan, masalah, dan kegagalan hampir secara real time.
- Menghasilkan kupon di titik penjualan berdasarkan kebiasaan membeli pelanggan.
- Menghitung ulang seluruh portofolio risiko dalam hitungan menit.
- Mendeteksi perilaku curang sebelum memengaruhi organisasi Anda.

Team Teaching - Big Data: Prediksi Saham

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5. Course Content: Lab in Artificial Intelligence Technology

- **Description:** Explains the fundamentals of AI, including logic, reasoning, fuzzies, expert systems, to applications of AI in robotics, the web, and autonomous vehicles.
- **Relevance to AI Ethics:** Discusses AI implementations that require ethical considerations in their application in automated systems and AI-based decision making.
- **Activity Evidence Link:**

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APLIKASI KECERDASAN BUATAN

Jaringan saraf dengan memproses contoh pelatihan. Contoh terbaik dalam bentuk kumpulan data yang besar, seperti, kumpulan 1.000 foto kucing. Dengan memproses banyak gambar (input), mesin dapat menghasilkan satu output, menjawab pertanyaan, "Apakah gambar itu kucing atau bukan?"

Pembelajaran mendalam adalah bagian dari pembelajaran mesin yang menggunakan jaringan saraf tiruan yang belajar dengan memproses data.

Natural Language Processing atau NLP, memungkinkan komputer untuk menafsirkan, mengenali, dan menghasilkan bahasa dan ucapan manusia. Contoh Skype Translator, yang menafsirkan ucapan berbagai bahasa secara waktu nyata untuk memfasilitasi komunikasi.

Team Teaching - Perangkat Keras dan Perangkat Lunak untuk Kecerdasan Artifisial

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