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AI: Evolution, Understanding, Application, and Programming

Module 1: Introduction to Artificial Intelligence

- Overview and Q&A session (1h30)
- Definition and evolution of AI:
  - Terminology and evolution
  - From early algorithms to neural networks
  - Deep Learning and Generative AI
  - Weak, General, and Superintelligent AI
  - Examples of applications across sectors
- Factors supporting AI:

- Algorithmic and heuristic structures
        - Hardware aspects (CPU, GPU, TPU)
        - Languages (R, Python, C++, Rust, Mojo)
        - Software and frameworks
    - Introduction to Machine Learning:
        - Main model categories
        - Supervised and unsupervised learning
        - Applications and use cases
    - Introduction to Deep Learning:
        - Differences from Machine Learning
        - Concepts and models
        - Applications and use cases
    - Natural Language Processing features
    - Overview of Generative AI:
        - Language, image, and multimodal models
        - Market applications and products
        - Example: Google Gemini
    - Issues and risks:
        - Ethics and bias
        - Privacy and environmental impact
        - Risk of dystopian outcomes

Module 2: AI Demonstration

- Overview and Q&A session (1h30)
- DevOps and AI pipelines:
    - Data preprocessing
    - Training and optimization
    - Deployment
- Machine Learning in practice:
    - Demo with Scikit-Learn
    - User-friendly approach with PyCaret
    - Note: Source code via Google Colab
- Deep Learning in practice:
    - Demo with Numpy
    - Using PyTorch
    - Note: Source code via Google Colab
- Generative AI:
    - Exploring large language and multimodal models
    - Fine-tuning and autonomous agents
    - Note: Hands-on in the next module with Google Gemini

Module 3: Using Google Gemini

- Hands-on experimentation with Google Colab (3h30)
- Using the chatbox:
    - Crafting simple prompts
    - Tips for Python and other technical prompts
- Using the Python API:

   - Designing advanced prompts
   - Code optimization and unit testing
- Using Gemini Studio:
   - Fine-tuning and Retrieval-Augmented Generation
   - Building an autonomous agent
   - Experimental projects with Python and more

Follow-up training with OpenAI

OpenAI Training for Developers

Canva for Professionals: Build Impactful Graphics with Ease

Introduction to the Canva Training

Getting Started with Canva

- Understand the fundamentals of graphic design
- Discover Canva's interface and core features
- Overview of the different plans (Free, Pro, Team, etc.)

First Steps with Canva

- Create and configure your account
- Introduction to the user interface
- Navigate the menus and workspace
- Organize your content: folders and subfolders
- Adjust account settings to suit your workflow
- Create a new design from a template or blank format
- Hands-on with the editor and design tools

Graphic Design Basics in Canva

- Using and customizing templates
- Managing multi-page designs
- Simple compositions with images
- Inserting and editing graphic elements
- Typography: adding, styling, and arranging text
- Adding music, interactive links, photos, and videos
- Using charts and graphs
- Advanced features: animations, backgrounds, element locking, etc.
- App integrations: YouTube, Google Maps, and more

- Download and share your designs (PDF, PNG, web link, etc.)

Creating Presentations and Icons

- Explore various presentation formats
- Design dynamic and professional presentations
- Create and customize graphic icons

Collaborating with Canva

- Invite and manage team members
- Create, share, and co-edit designs
- Organize shared files into team folders

Recommended Complementary Training

[Publisher Training — Layout and Design of Professional Print Materials](#)

Need one of the best video conferencing software? Think Zoom!

It was with the pandemic knocking on our doorstep that we truly tamed remote work. Obviously, mores change and this should remain present in our lives according to many experts even when the situation has resumed its normality. In doing so, the new reality has forced us to contend with remote work software. Also, in order to facilitate meetings with our teammates, Zoom has experienced a real boom.

Zoom: What is it?

Launched in 2012, Zoom is a free software allowing to call each other by videoconference. Thus, we see our interlocutors through their camera and we can talk to them with a microphone. This facilitates exchanges since several colleagues can attend the meeting at the same time. Precisely, 100 people can be connected at the same time during with a time restriction of 40min. This is for the free version. When more time is needed, there is always the possibility of taking out a subscription which allows more people to join the conference and it can be extended to more than one day.

Even though the app has been around for about 10 years, it was with the rise of virus-forced remote work that really created a craze for using this software. In fact, at the start of 2020, we had around 10 million Zoom users daily. Currently, people who use Zoom on a daily basis are closer to 400

million. At this stage, the independent company competes with other already established companies such as Skype, Microsoft or Google.

Zoom: What are the benefits?

First of all, it goes without saying that the freeness of the software is a solid argument. There is a way to create institutional or business accounts. There are also subscriptions. But all the services are accessible free of charge for those who do not use them almost permanently.

Also, Zoom is very stable and has a multitude of tools that people often haven't heard of. Moreover, Doussou Formation can help you at this level by allowing you to tame the full range of options offered by Zoom.

In addition, Zoom offers options for people with certain disabilities. For example, people who are hard of hearing, blind or mute. Zoom has thought of these people and offers support allowing them to use the software to its full potential.

Being able to share a link accessible to any user (subscriber or not) it only takes one person with an institutional account to have long meetings. The connection is stable and the quality of video and sound are very good. Moreover, the subscription price is very reasonable for those who consider buying the product. At $200 per year, one can have continuous access to all the features of this software.

Zoom: How can Doussou Formation help you?

From the basics to the more advanced sections, we will accompany you so that you can use Zoom at full speed. You will learn how to create your account, join or create meetings, create subgroups or set up file transfer.

"Excellent training that taught me several things about the Zoom platform that I will be able to put into practice quickly. An overview that introduced me to features I didn't even know existed. The trainer was very professional and attentive to the expectations of the group. »

—Richard

Advanced Zoom Training :
www.doussou-formation.com/formation/formation-zoom-avance/

Most Complete Zoom Training :
www.doussou-formation.com/formation/cours-formation-zoom/

[Training for Non-Profit Organization](#)

Nonprofit organizations work tirelessly for causes that support our communities. At Doussou Formation, we operate with the same mindset. We believe in our teams, strive to make a difference for our learners, and constantly seek greater efficiency.
Understanding the mission of nonprofits, and having worked with many of them in the past, we are proud to offer our support.
To help you better serve your communities, we provide an exclusive 15% discount on all our training courses for nonprofit organizations.
Doussou Formation is your first step toward training your staff and making your organization more efficient. Help more, help better—by enrolling in one of our many engaging training programs.

NPO training

Human capital and customer service

Human resources management in times of crisis

Managing a difficult employee / Recognized by Emploi-Québec

Managing conflicts in the workplace / Recognized by Emploi-Québec

How to respond effectively in a post-COVID world

Acting appropriately in situations where there is a risk of aggressiveness or assault

Attracting and retaining the best employees

Managing your time and priorities

Managing a difficult customer

French courses

Popularization and adaptation of specialized text

Linguistic revision

The art of writing

Correct and enrich your texts with Antidote

Improve your written French

Project management and efficiency

GIT: Write technical documentation

Confluence: Optimize collaboration in your company

Trello: Project management tool

The precepts of project management

Social media and web marketing

Google Ads in 7 hours

SEO and website optimization

Initiation training: Managing LinkedIn for professionals

Managing Facebook for business

Facebook Manager and statistical tool

E-Marketing and E-Mailing (Newsletter)

CRM vTiger: Customer relationship management

Advanced training: Managing LinkedIn for professionals

Getting started with MailChimp

Getting started with Instagram

WordPress and website creation

Creating a WordPress theme and SEO

WordPress: Optimize your SEO

Customized WordPress training

WordPress: Create your website with the DIVI theme

WordPress: Create a website or a blog

Acrobat Pro

PDF Expert: Document creation and digital signature

Form and digital signature

Creation of PDS documents

Accessibility

Office suite

Mastering macros and initiation to programming

Excel: Advanced

Excel: The fundamentals

[Excel: The most complete](#)

Microsoft Powerpoint

Microsoft Publisher

By email: info@doussou-formation.com

Computer Introduction Training : Windows and Internet

Introduction to Computer Introduction Training : **Windows** and Internet

Equipment

Connect the microcomputer

Central unity

The screen or monitor

The keyboard

The mouse

Discover the word interface

Show / hide formatting marks

Change the display mode

Entering / selecting / modifying text

Text formatting

Layout and printing

Board

Installed software: Excel

Excel interface

Filing cabinets

Travel / selections

Data entry and modification

Simple calculations

Sheets, rows and columns

Layout and printing

Graphic

Connect to the Internet
Necessary material

Choose an Internet service provider

The Web

Install a browser

Launch a browser

Discover the elements of the window

Enter the address of a site

Navigate in a page

Seeking information

Choose a search engine

Enter the keywords of a search

Do research with Google

Do research with Yahoo

Messaging

Email or Webmail software

Create an email address

Send a message

Read his messages

Reply to a message

Forward a message

Send an attachment

Open / save attachment

The format of the attachments

Save a contact in their address book

Use the address book to send a message

Delete a message

About

Founded in 2016

97% satisfaction

Doussou Formation — Canadian provider of market-ready IT training

**Founded in 2016, Doussou Formation quickly established itself as a leader in training for
information technology, office productivity, human capital, project management, and graphic design, in Quebec and across Canada.**

Our approach & quality commitment

- Certifications and recognition: over 97% satisfaction based on client evaluations.
- Practice-based pedagogy: 100% hands-on training, in small groups, with course materials, personalized follow-up, and certification at the end of the program.
- Experienced trainers: seasoned professionals, rigorously selected and assigned according to your needs.

Geographic reach & accessibility

Our training sessions are offered in person in Montreal, Quebec City, and Gatineau/Ottawa,
as well as in virtual classrooms accessible anywhere in Canada.

We serve businesses, public organizations, NPOs, and individuals with a standardized "market-available" offering, compliant with procurement requirements (no custom development).

Montreal
Quebec City
Gatineau / Ottawa
Online (Canada)

Training domains & topics

More than 100 ready-to-start courses — organized by major topics to quickly meet your needs.

DOUSSOU FORMATION

Productivity & Office Tools
Data & Analytics
Development & DevOps
Collaboration & M365
Design, Graphics & Multimedia
Leadership & Human Capital
Project Management
Digital Marketing & SEO
Emerging Technologies & AI

Productivity & Office Tools

- **Spreadsheets & automation — Excel (pivot tables, Power Pivot), Google Sheets**
- **Documents & layout — Advanced Word, templates, mail merge**
- **Communication — Outlook, email best practices**

Data & Analytics

- **BI & visualization — Power BI (Modeling, DAX), Tableau**
- **Databases — SQL (queries, optimization)**
- **Data science — Python for analysis**

Collaboration & M365

- **Teams & team productivity — meetings, channels, best practices**
- **SharePoint & OneDrive — structures, permissions, governance**
- **Copilot & applied AI — responsible use and quick wins**

Design, Graphics & Multimedia

- **Adobe Suite — Photoshop, InDesign, Illustrator**
- **UX/UI & prototyping — Figma, mockups and components**
- **Animation & content — basics of 2D/3D, visual storytelling**

Leadership & Human Capital

- **Management — leadership, two-way feedback**
- **Effectiveness — time & priority management**

- Work climate — managing difficult employees

Project Management

- Methods & tools — planning, monitoring, risk management
- Microsoft Project — calendars, resources, reports
- Agile/Hybrid — practical team practices

Digital Marketing & SEO

- SEO — technical, content, linking, monitoring
- Acquisition — Google Ads, social media
- Content — editorial guidelines, conversion pages

Emerging Technologies & AI

- Generative AI — ChatGPT, Copilot, best practices
- Systems & dev — Linux, JavaScript, React, DevOps
- Automation — scripts, integrations, workflows

Indicative lists: each topic is available at beginner, intermediate, and advanced levels, in person or in virtual classrooms.

Our clients & references

- Governments: federal, provincial, municipal.
- Public institutions: CNESST, SAAQ, BAnQ…
- Education & NPOs: universities, colleges, community organizations.
- Private sectors: Hydro-Québec, Vidéotron, Bell, Desjardins…
- International presence: France, DRC, Guadeloupe, Mali.

Why choose Doussou Formation?

Strength	Description
Pan-Canadian reach	In-person in Quebec + virtual across Canada.
Standardized offering	Clear, ready-to-use catalog.
Small groups & support	Better learning through personalized guidance.
Bilingual accessibility	Materials and training in French and English.
Transparent pricing	Public rates, discounts under conditions (FO1).
Proven credibility	Expert trainers, recognized clients.

Address: 1155 Metcalfe Street — Montreal

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They trust us

Many companies, institutions, and organizations place their trust in us and continue to attend our training.
Here are some examples:

Sector	Organizations
Financial services, real estate and insurance	Desjardins, National Bank of Canada, Intact, Olympus, Global Pay
Leisure, culture and hospitality	Caraïbes Nordiques, Tangente Danse, PPS Danse, Théâtre de la Dame de Cœur, Le Carrousel, Productions Roméo et Fils, Tidan
Federal government agencies	Government of Canada, RCMP, Department of Fisheries and Oceans, National Defence
Provincial government agencies	Ministry of Families, Ministry of the Environment, MSSS (Ministry of Health and Social Services), CNESST, Québec Research Fund, SAAQ, Public Curator, BAnQ (National Library and Archives of Québec), Tourisme Québec, UPAC
Municipalities	City of Montréal, Municipality of Sayabec
Education services	Laval University, Université de Montréal, Cégep de Trois-Rivières, Royal Military College Saint-Jean, University of Ottawa, CPE de la Courtepointe
Technology & communications	Captel, Blue Solutions, Progi, PMG Technologies, Hydro-Québec, Vidéotron, Bell Canada, TC Transcontinental, GRICS

Sector	Organizations
Non-profit organizations	Résidence Le Monarque, Réseau-Femmes Ontario, Sphère Québec, Alzheimer Outaouais, Valoris, Culture Laval, Québec Logistics Innovation Institute
Social & public services	Urgences-Santé, IDDPNQL, CSS des Patriotes (School Service Centre), SIS Immigration, RDÉE Canada, Société Économique de l'Ontario
Associations & professional orders	Ordre de la Physiothérapie du Québec, Professions Québec, CPA Québec, Public Service Alliance, Association des cadres des CPE
Construction & manufacturing	ENERGI Fenestration, APL Construction, Canatal, MSP, Veolia, Acti Solutions, Photon, Les Bois de Plancher PG, KID Toy
Transport & logistics	Groupe Morneau, Communauto, STO Outaouais (Public Transit Service)
Agriculture & food	F. Ménard
Retail & e-commerce	Jackfield, Safran
Cosmetics & wellness	Institut de Beauté Manon Simard
International	RATP (France), IMIE (France), Davidson Paris, Koala Web (Guadeloupe), Malitel (Mali), AAC/RDC (Congo)