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DIGITAL TOOLS

Strengthening, integration of digital
competencies and improve quality
standards in workplace-based
vocational education

2023-1-TR01-KA210-VET-000166711

TABLE OF CONTENTS

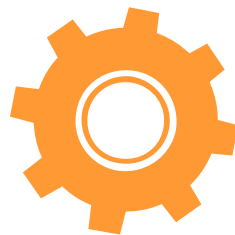


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01 Content Development Tools

02 Programming and
Technical Education Tools

03 Management and
Communication Tools



04 Language and Software
Education Tools

05 Graphic and Design Tools

06 Simulation and Technical
Application Tools





DIGITAL TOOLS



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Programming and Technical Education Tools

THINGLINK

Used to create interactive images, videos, and 360° content.

Free version with limitations

ADOBEPARK

A simple tool for creating videos, graphics, and web pages.

Free version with limitations

ARTICULATE 360

A professional tool for creating e-learning modules and interactive content.

Paid (30-day free trial available)

Content Development Tools

FUSION 360

3D modeling and design software.

Free version available

SKETCHUP

CAD software for mechanical engineering.

Paid subscription with no free version available

SOLIDWORKS

A tool for 3D design and engineering simulation.

Free for students/educators

Management and Communication Tools

EDMOD

A platform for communication and content sharing between teachers and students.

It ended in 2022.

MOODLE

3D modeling and design software.

Free for self-hosting

PADLET

A digital board application used for collaboration and idea sharing.

Free

Language and Software Education Tools

GRAMMARLY

A tool for English grammar and writing correction.

Free

CODE.ORG

An online platform for basic coding education.

Free for students and educators

CODECADEMY

An interactive tool for learning programming languages.

Free

Graphic and Design Tools

ILLUSTRATOR

Software for vector-based graphic design.

Subscription-based

PHOTOSHOP

A professional image editing tool.

Subscription-based

AFFINITY DESIGNER

Graphic design and illustration software.

One-time purchase

Simulation and Technical Application Tools

ANSYS

A tool for engineering simulations.

Custom pricing

MATLAB

Software for mathematical computations and simulations.

Subscription-based

REVIT

A tool used for BIM (Building Information Modeling).

Subscription-based



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01

Content Development Tools



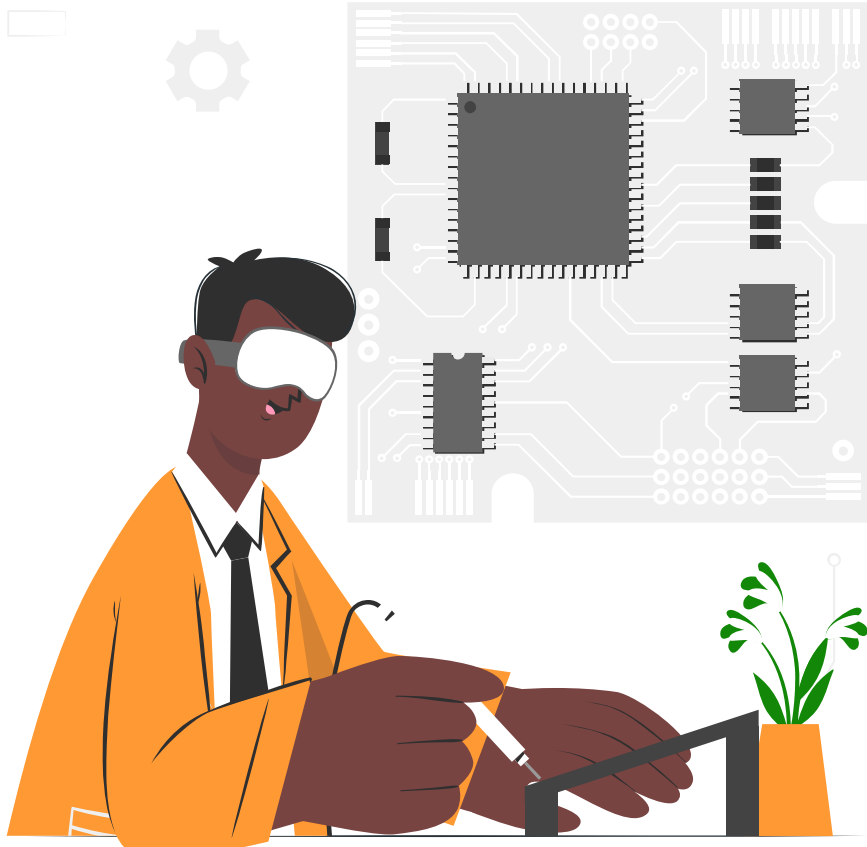
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01

ARTICULATE 360

A professional tool for creating e-learning modules and interactive content.

<https://360.articulate.com/>





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Platform:

Windows (main tools), Mac (via browser – Rise, Review).

Requirements:

Windows 10+, 2.0 GHz, 4 GB RAM (8 GB recommended), 4 GB storage, Internet required.

Installation:

Download, install, and sign in.

Subscription:

Individual/team plans, full tool access.

Uses:

Interactive courses, training, quizzes, video learning, mobile-friendly content, collaborative review.

Key Features:

Storyline 360 (advanced courses), Rise 360 (easy course creation), Content Library, Articulate Review (feedback).

Compatibility:

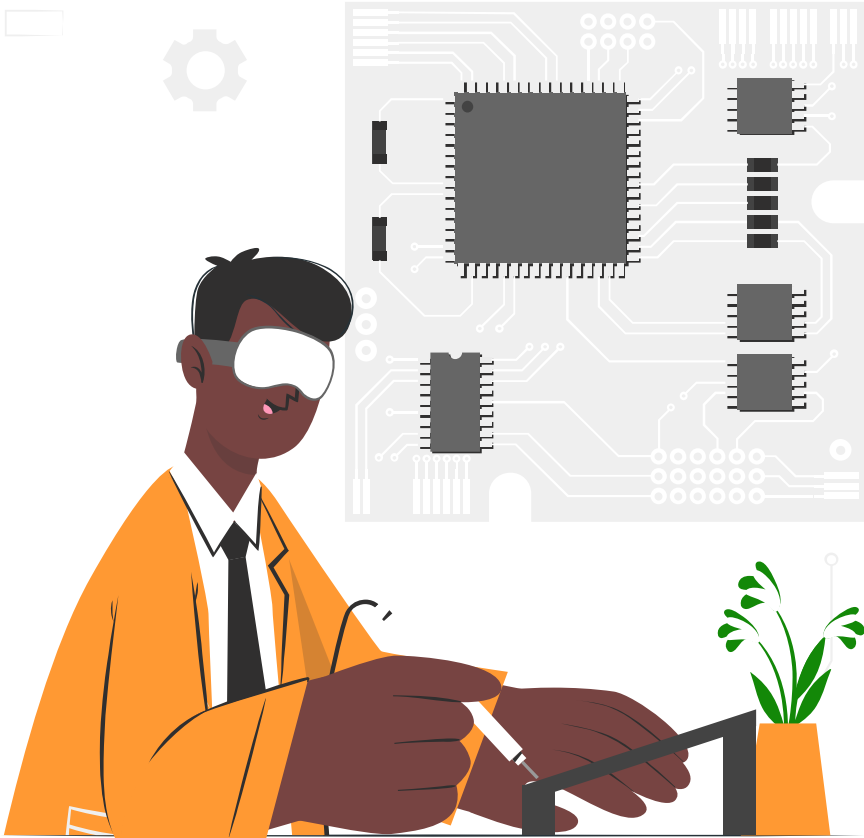
SCORM, Moodle, Canvas, Blackboard.

Pricing:

Paid (30-day free trial available).



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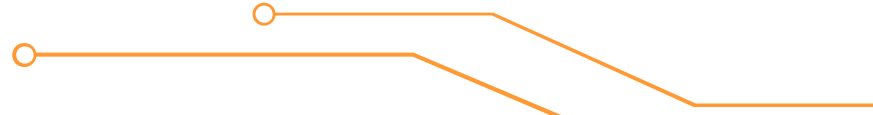


02

Adobe Spark

A simple tool for creating videos,
graphics, and web pages.

spark.adobe.com





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Platform:

Web-based (accessible via Chrome, Safari, Firefox) + Mobile apps (iOS & Android).

Requirements:

Windows 10/macOS, 4 GB RAM (8 GB recommended), minimal storage, iOS 12+ / Android 5.0+.

Installation:

No installation for web; mobile apps available on App Store & Google Play.

Subscription:

Free plan (watermark & limited templates), Premium plan (custom branding, advanced templates).

Uses:

Social media graphics, web pages, video creation, presentations, and customizable templates.

Key Features:

Beginner-friendly, drag-and-drop interface, Adobe Creative Cloud integration, cross-platform access.

Compatibility:

Exports content for use in LMS, marketing, education, and business applications.

Pricing:

Free version available (with limitations); 7-day trial for Adobe Spark Premium.



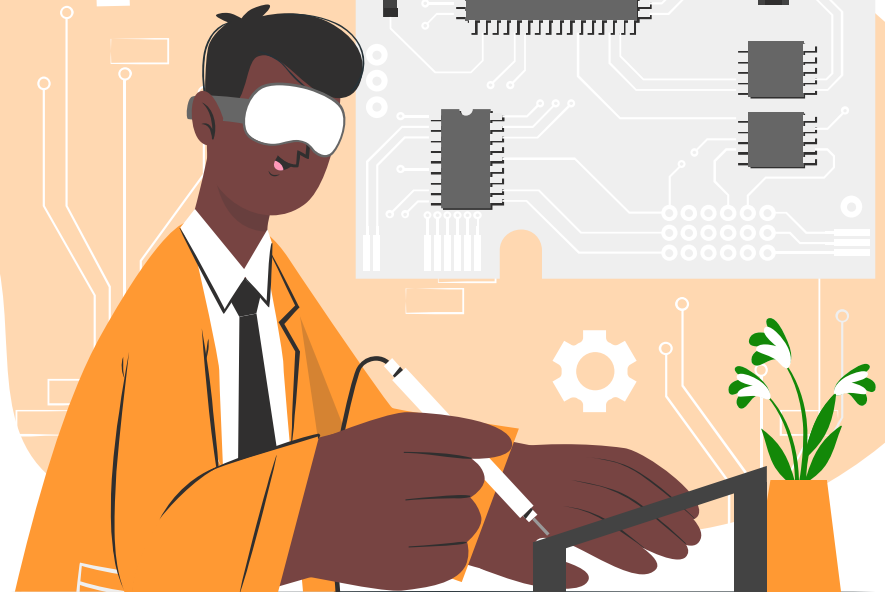
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03

THINGLINK

Used to create interactive images,
videos, and 360° content.

<https://www.thinglink.com/pt/>





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Platform:

Web (Chrome, Safari, Firefox, Edge), iOS/Android apps.

Requirements:

PC/Mac with updated browser, iOS 12+/Android 5+.

Installation:

Access via browser or app, free account/60-day trial.

Subscription:

Free and paid plans for schools and businesses.

Uses:

Education, professional training, marketing, onboarding, e-learning.

Key Features:

Interactive annotations on images, videos, 360° & 3D content.

Compatibility:

LMS, SCORM, Moodle, Canvas, Blackboard.

Pricing:

Free version with limitations; paid plans available.



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02

Programming and Technical Education Tools



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01

SKETCHUP

3D modeling and design software.

<https://www.sketchup.com/en>



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Platform:

Windows, macOS (via desktop app), Web-based (SketchUp Free), Mobile apps (iOS & Android).

Requirements:

Windows 10+/macOS, 8 GB RAM (recommended), 6 GB storage, OpenGL 3.1+ graphics, iOS 12+/Android 5.0+.

Installation:

Download desktop app or access web version; mobile apps available on App Store & Google Play.

Subscription:

Free version (basic features), Pro (\$299/year), Studio (advanced tools, pricing varies).

Uses:

3D modeling for architecture, interior design, engineering, urban planning, game design, and film.

Key Features:

Intuitive interface, Push/Pull tool, 3D Warehouse, plugin support, cross-platform integration.

Compatibility:

Exports to various formats, integrates with other design software like AutoCAD, Revit.

Pricing:

Free version available; Pro & Studio require paid subscription.



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02

SOLIDWORKS

CAD software for mechanical
engineering.

<https://www.solidworks.com/>



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Platform:

Windows (desktop application).

Requirements:

Windows 10+, 16 GB RAM (32 GB recommended), 2 GB GPU with OpenGL support, 5 GB storage.

Installation:

Download from the official website, install via setup wizard

Subscription:

Standard, Professional, and Premium plans; additional features in higher tiers.

Uses:

3D CAD design, mechanical engineering, product design, simulations, assemblies, and sheet metal design.

Key Features:

Advanced 3D modeling, motion analysis, simulation tools, assembly management, and integrations.

Compatibility:

Integrates with ERP, PLM systems, and CAD tools like AutoCAD, CATIA, and Inventor.

Pricing:

Paid subscription with no free version available. Pricing varies based on subscription plan.



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03

FUSION 360

A tool for 3D design and engineering
simulation.

<https://accounts.autodesk.com>



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Platform:

Windows, macOS (desktop); Cloud-based for collaboration.

Requirements:

Windows 10/macOS 10.13+, 4 GB RAM (8 GB recommended), 3 GB storage.

Installation:

Download from Autodesk website, sign in with an Autodesk account.

Subscription:

Free for students, educators, hobbyists; Paid plans for professionals.

Uses:

3D design, mechanical engineering, product design, manufacturing, simulation, collaboration.

Key Features:

Cloud-based collaboration, CAD, CAM, and CAE integration, user-friendly interface.

Compatibility:

Exports in STEP, IGES, STL; Integrates with CNC and 3D printers.

Pricing:

Free for students/educators; Paid version available.

03

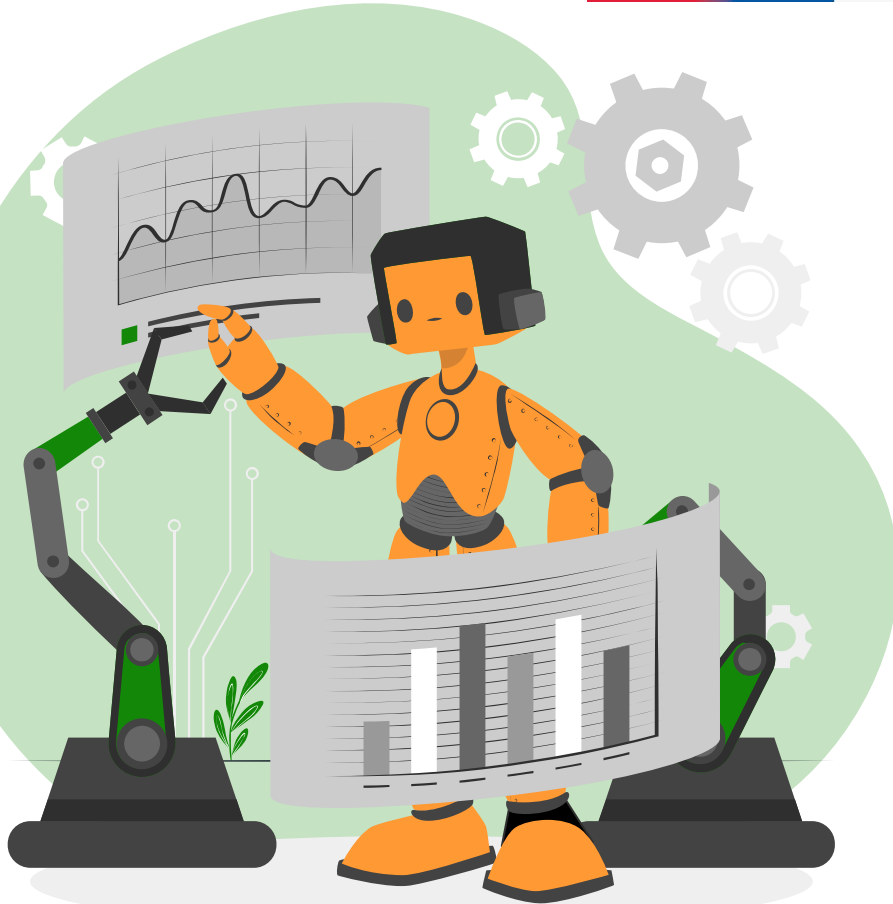


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Language and Software Education Tools



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01

MOODLE

An e-learning management system.

<https://moodle.com/pt-br/>



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Platform:

Web-based, accessible via any browser (Chrome, Firefox, Safari).

Requirements:

PHP 7.3+, MySQL 5.7+ / PostgreSQL 9.6+, 2 GB RAM (4 GB recommended), 1 GB disk space.

Installation:

Download from Moodle website, install on a web server (or use MoodleCloud for cloud hosting).

Subscription:

Free for self-hosted versions; MoodleCloud offers paid plans for hosting and additional features.

Uses:

Online course creation, assessments, forums, quizzes, grade management, collaborative learning.

Key Features:

Customizable course formats, SCORM compliance, mobile app support, plugin integration.

Compatibility:

SCORM, xAPI, and LTI integration with other LMS and tools.

Pricing:

Free for self-hosting; MoodleCloud offers paid plans.



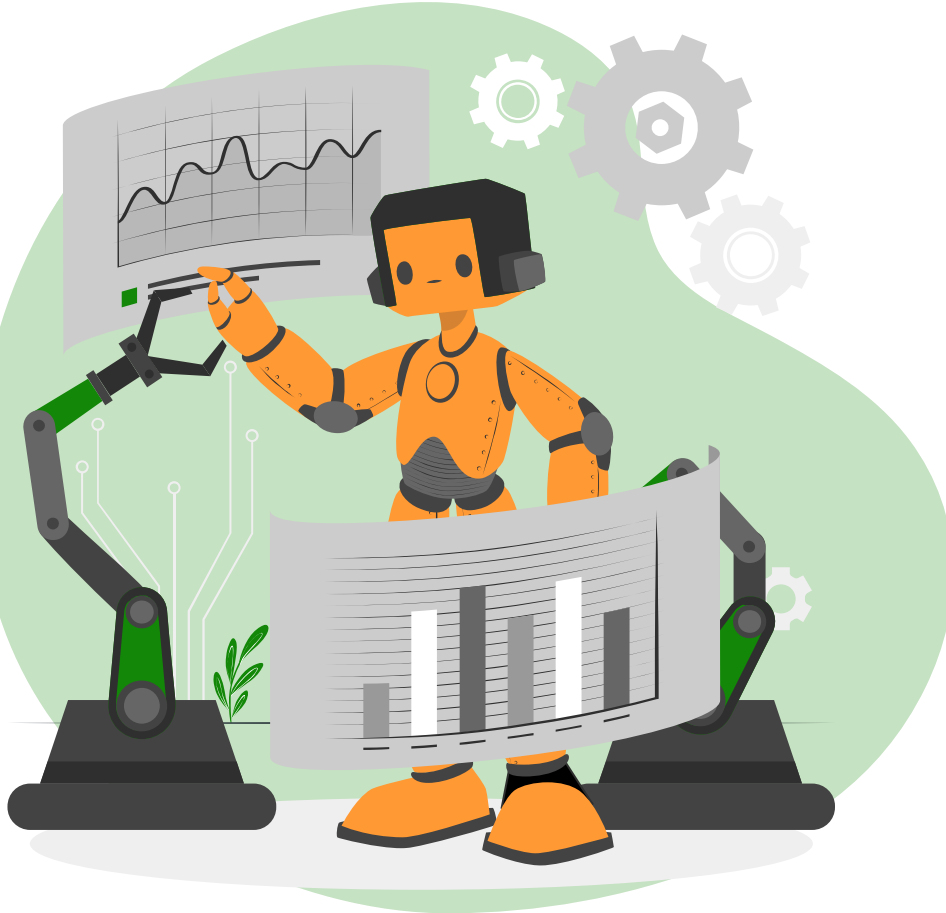
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02

EDMODO

A platform for communication and
content sharing between teachers and
students.

It ended in 2022.





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Platform:

Web (Chrome, Firefox, Safari, Edge), Apps (iOS, Android).

Requirements:

Windows, macOS, Linux (2 GB RAM min.), iOS 10+, Android 5+.

Installation:

Web – direct access; Mobile – App Store/Google Play.

Subscription:

Free account (email, Google, Microsoft); premium for schools.

Uses:

Assignments, quizzes, communication, classroom management, content sharing.

Key Features:

Safe environment, feedback tools, integration with Google Drive & Office 365.

Compatibility:

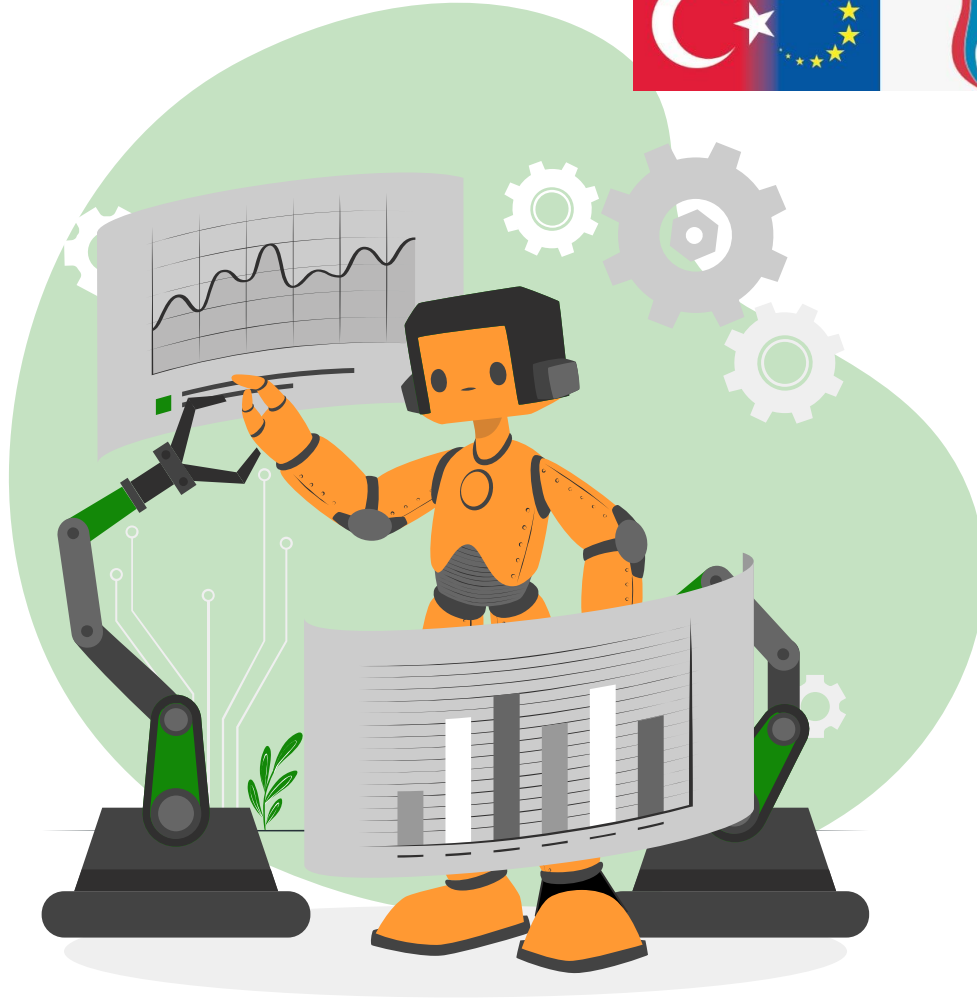
Google Classroom, Microsoft 365, YouTube, Khan Academy.

Pricing:

Free; paid plans for advanced features.



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03

PADLET

A digital board application used for
collaboration and idea sharing.

<https://padlet.com/>



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Platform:

Web (Chrome, Firefox, Safari, Edge), Apps (iOS, Android).

Requirements:

Windows, macOS, Linux (2 GB RAM min.), iOS 11+, Android 5+.

Installation:

Web – direct access; Mobile – App Store/Google Play.

Subscription:

Free account (limited features); premium plans for schools and businesses.

Uses:

Digital bulletin boards for brainstorming, collaboration, content sharing, and feedback.

Key Features:

Real-time updates, multimedia support, customizable layouts, collaboration tools.

Compatibility:

Google Classroom, Microsoft 365, YouTube, Drive, OneDrive.

Pricing:

Free basic plan; paid plans for more storage and features.

04



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Language and Software

Graphic and Design Tools

Education Tools



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01

GRAMMARLY

A tool for English grammar and writing correction.

<https://www.grammarly.com/>





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Platform:	Web (Chrome, Firefox, Safari, Edge), Apps (iOS, Android), Desktop (Windows, macOS), MS Office, Google Docs.
Requirements:	Windows 10+, macOS 10.12+, Linux (2 GB RAM min.), iOS 11+, Android 5+.
Installation:	Web – direct access; Browser – extension; Mobile – App Store/Google Play; Desktop – downloadable app.
Subscription:	Free account (basic grammar and spelling); premium plans for advanced writing suggestions and plagiarism detection.
Uses:	Grammar and spell check, style improvement, tone analysis, plagiarism detection, and writing enhancement.
Key Features:	AI-powered corrections, real-time feedback, tone and clarity adjustments, plagiarism checker (Premium), multilingual support.
Compatibility:	Google Docs, MS Office, Gmail, LinkedIn, Twitter, WordPress, Outlook.,
Pricing:	Free basic plan; paid plans for premium features and business use.



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02

CODE.ORG

An online platform for basic coding
education.

<https://code.org/>





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Platform:

Web-based (Chrome, Firefox, Safari, Edge), Mobile-friendly.

Requirements:

Windows, macOS, Linux (2 GB RAM min.), Stable internet connection.

Installation:

Web – direct access; No installation required.

Subscription:

Free access to courses and coding activities; additional resources for educators.

Uses:

Teaching coding fundamentals, interactive programming lessons, game and app development, STEM education.

Key Features:

Block-based coding, real-world programming languages (JavaScript, Python), self-paced courses, teacher resources.

Compatibility:

Google Docs, MS Office, Gmail, LinkedIn, Twitter, WordPress, Outlook.,

Pricing:

Free for students and educators; some premium educator tools available.



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03

CODECADEMY

An interactive tool for learning
programming languages.

<https://www.codecademy.com/>





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Platform:	Web-based (Chrome, Firefox, Safari, Edge), Mobile App (iOS, Android).
Requirements:	Windows, macOS, Linux (4 GB RAM min.), Stable internet connection.
Installation:	Web – direct access; Mobile – App Store/Google Play.
Subscription:	Free account (basic courses); Pro plans for advanced lessons, projects, and certifications.
Uses:	Learning programming languages (Python, JavaScript, SQL, HTML/CSS), data science, web development, and more.
Key Features:	Interactive coding exercises, real-world projects, AI-driven feedback, career path guidance.
Compatibility:	Google Chrome DevTools, GitHub, Jupyter Notebook, SQL databases.
Pricing:	Free basic plan; Pro plans with additional content, career paths, and certificates.



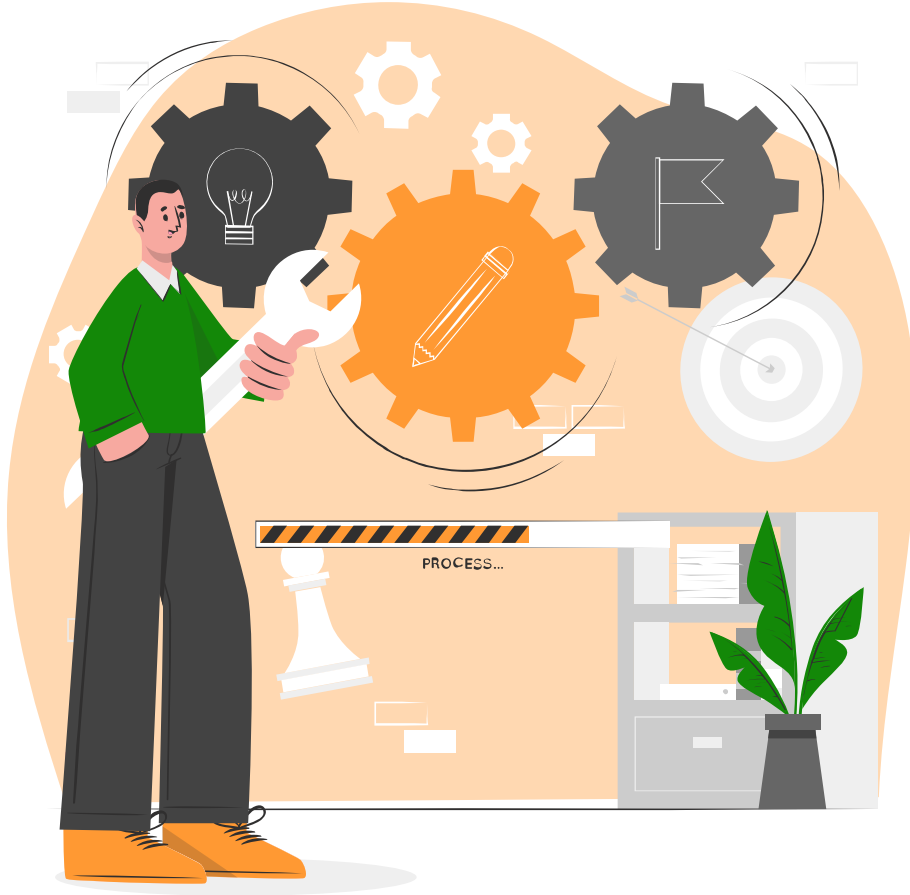
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05

Graphic and Design Tools



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01

PHOTOSHOP

A professional image editing tool.

<https://www.adobe.com/pt/products/photoshop.html>



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Platform:

Desktop (Windows, macOS), iPad app.

Requirements:

Windows 10/macOS 10.15+, 8 GB RAM (16 GB recommended), SSD storage.

Installation:

Download via Adobe Creative Cloud; iPad version available on App Store.

Subscription:

Free 7-day trial; paid plans for individuals, students, and businesses.

Uses:

Photo editing, graphic design, digital painting, web/UI design, 3D artwork.

Key Features:

Layer-based editing, AI-powered tools, advanced brushes, non-destructive edits.

Compatibility:

Adobe Creative Cloud, Lightroom, Illustrator, third-party plugins.

Pricing:

Subscription-based; various plans for individuals, students, and teams.



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02

ILLUSTRATOR

Software for vector-based graphic design.

<https://www.adobe.com/pt>



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Platform:

Desktop (Windows, macOS), iPad app.

Requirements:

Windows 10/macOS 10.15+, 8 GB RAM (16 GB recommended), 2 GB GPU VRAM.

Installation:

Download via Adobe Creative Cloud; iPad version available on App Store.

Subscription:

Free 7-day trial; paid plans for individuals, students, and businesses.

Uses:

Logo design, icon creation, illustrations, typography, infographics, web and print design.

Key Features:

Vector-based design, advanced drawing tools (Pen, Shape, Brush tools), typography, cloud storage integration.

Compatibility:

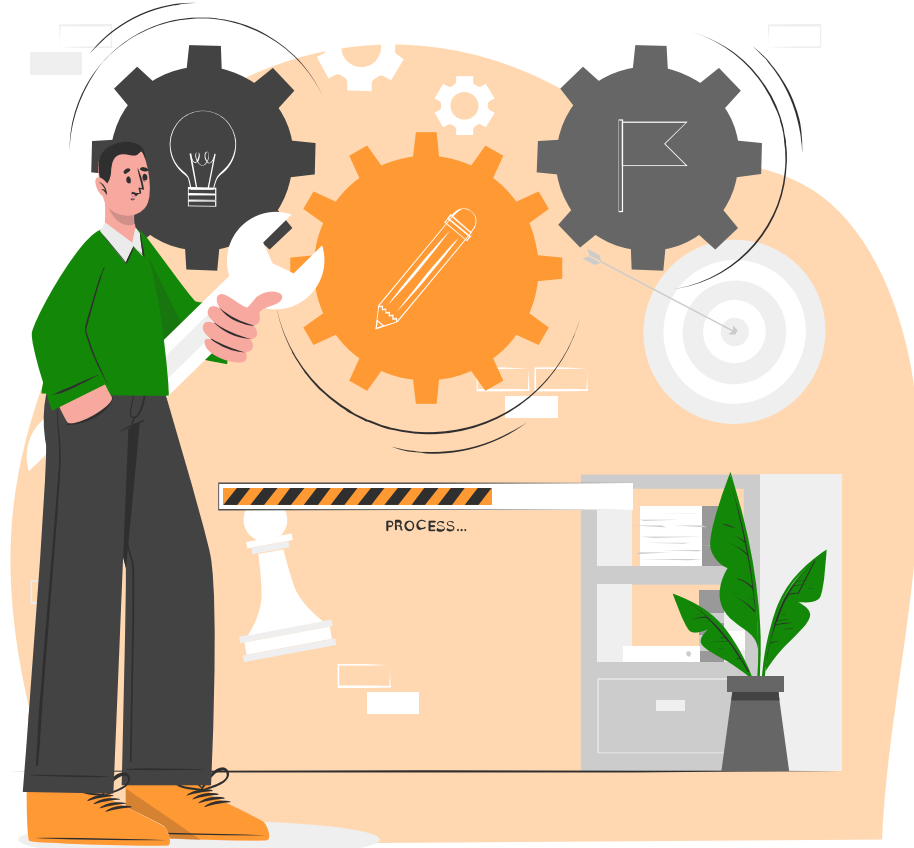
Adobe Creative Cloud, Photoshop, InDesign, After Effects, third-party plugins.

Pricing:

Subscription-based; various plans for individuals, students, and teams.



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03

AFFINITY DESIGNER

Graphic design and
illustration software.

https://affinity.serif.com/en-gb/?srsltid=AfmBOoqe6lNB7E7t2J3_E0D3kcFiu2NEFGNneE743mhe6vcr4CUATVJf



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Platform:	Desktop (Windows, macOS), iPad.
Requirements:	Windows: Windows 10, 4 GB RAM (8 GB recommended), 1.5 GB storage, GPU with 1 GB VRAM. MacOS: macOS 10.9+, 4 GB RAM, 1.5 GB storage, GPU with 2 GB VRAM. iPad: iPadOS 13.1+, iPad Pro/Air 2 or later.
Installation:	Download via Affinity website or App Store.
Subscription:	One-time purchase; no subscription.
Uses:	Logo design, icon creation, illustrations, UI/UX, web and print design.
Key Features:	Vector and raster tools, non-destructive editing, multiple artboards, powerful export options. Works with .AI, .SVG, .EPS, .PDF, .PSD files.
Compatibility:	
Pricing:	One-time purchase

06



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Simulation and Technical Application Tools

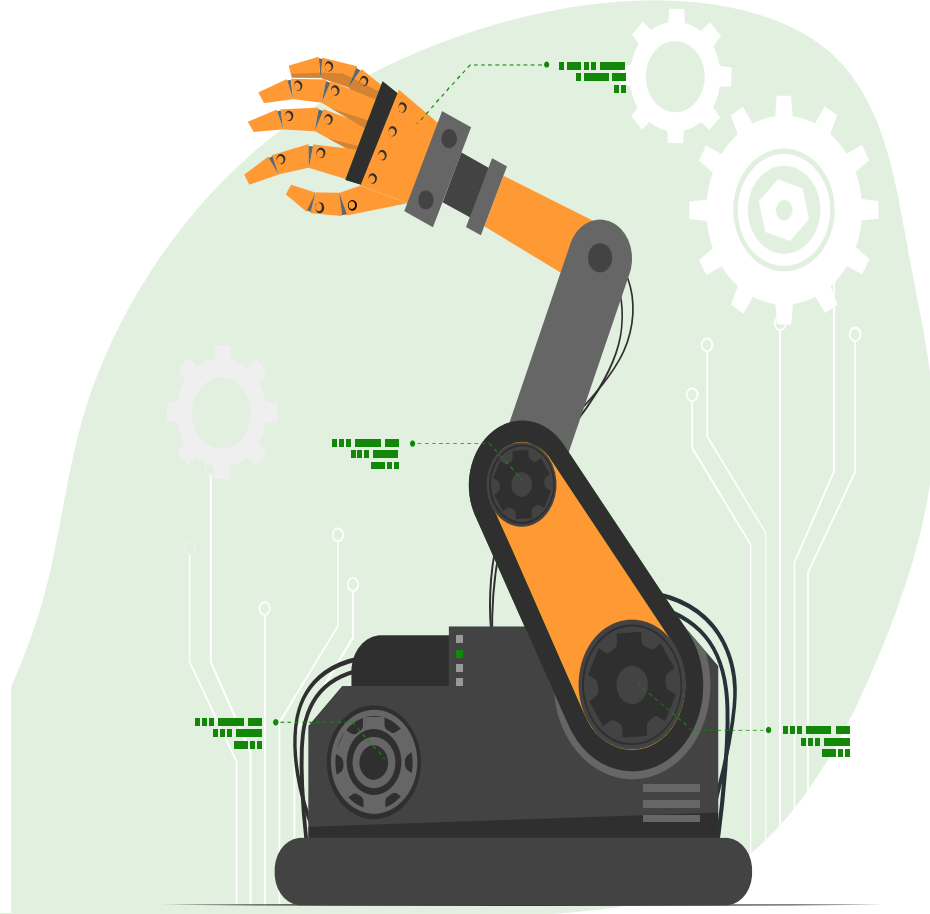


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01

ANSYS

A tool for engineering
simulations.





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Platform:	Desktop (Windows, Linux).
Requirements:	Windows: Windows 10/11, 8 GB RAM (16 GB recommended), 2 GB GPU VRAM. Linux: CentOS 7/8, 8 GB RAM (16 GB recommended), Multi-core CPU.
Installation:	Download via ANSYS website; requires license activation.
Subscription:	Subscription-based; annual or perpetual licensing.
Uses:	Finite element analysis (FEA), computational fluid dynamics (CFD), structural and thermal simulations, product design.
Key Features:	Advanced simulation tools for structural, fluid, and electromagnetic analysis, multi-physics capabilities, high-performance computing.
Compatibility:	Works with CAD software (SolidWorks, CATIA, Autodesk), and third-party plugins.
Pricing:	Custom pricing based on subscription or perpetual license model.

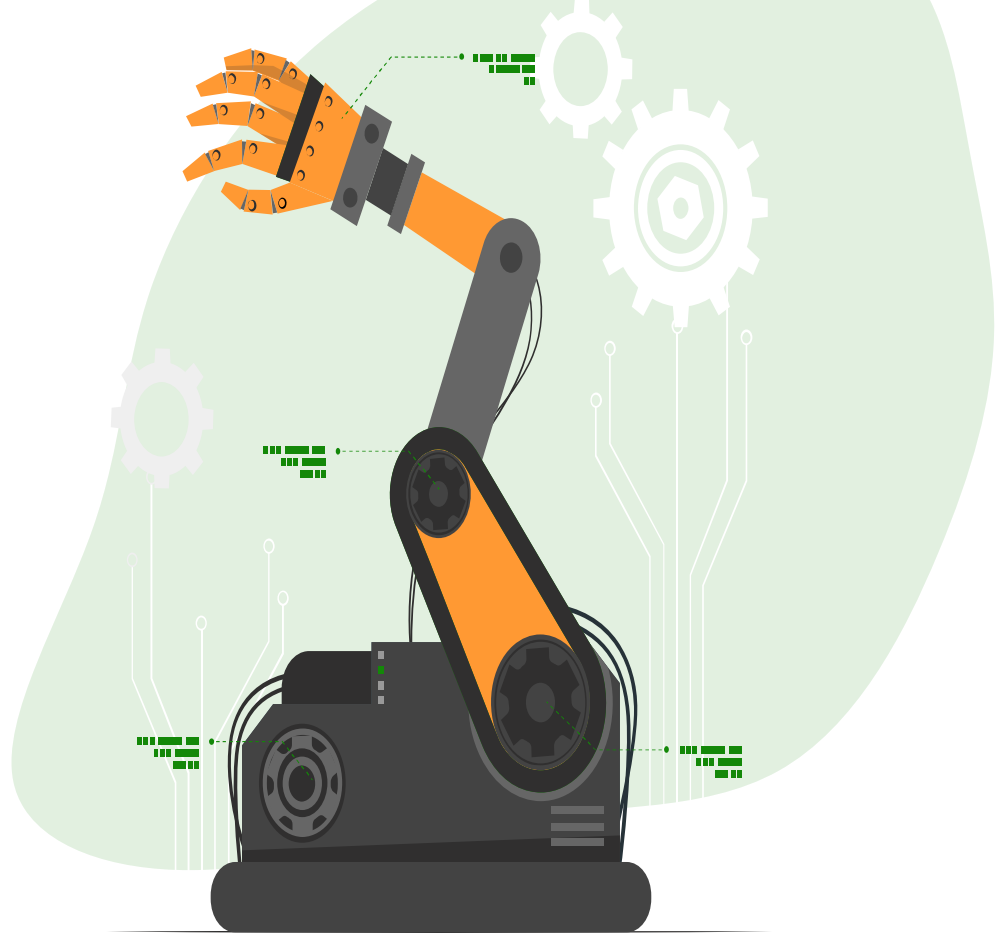


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02

MATLAB

Software for mathematical
computations and
simulations.





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Platform:	Desktop (Windows, macOS, Linux), Cloud.
Requirements:	Windows: Windows 10/11, 4 GB RAM (8 GB recommended), 3 GB disk space. macOS: macOS 10.15+, 4 GB RAM (8 GB recommended), 3 GB disk space.
Installation:	Download via MathWorks website; requires license activation.
Subscription:	Subscription-based; free 30-day trial, educational version available.
Uses:	Data analysis, algorithm development, machine learning, image processing, simulation, and visualization.
Key Features:	Advanced mathematical functions, toolboxes for various fields (machine learning, signal processing), built-in visualizations.
Compatibility:	Works with Simulink, Python, Excel, CAD software, integrates with hardware (Arduino, Raspberry Pi).
Pricing:	Subscription-based; custom pricing for individuals, students, and enterprises.

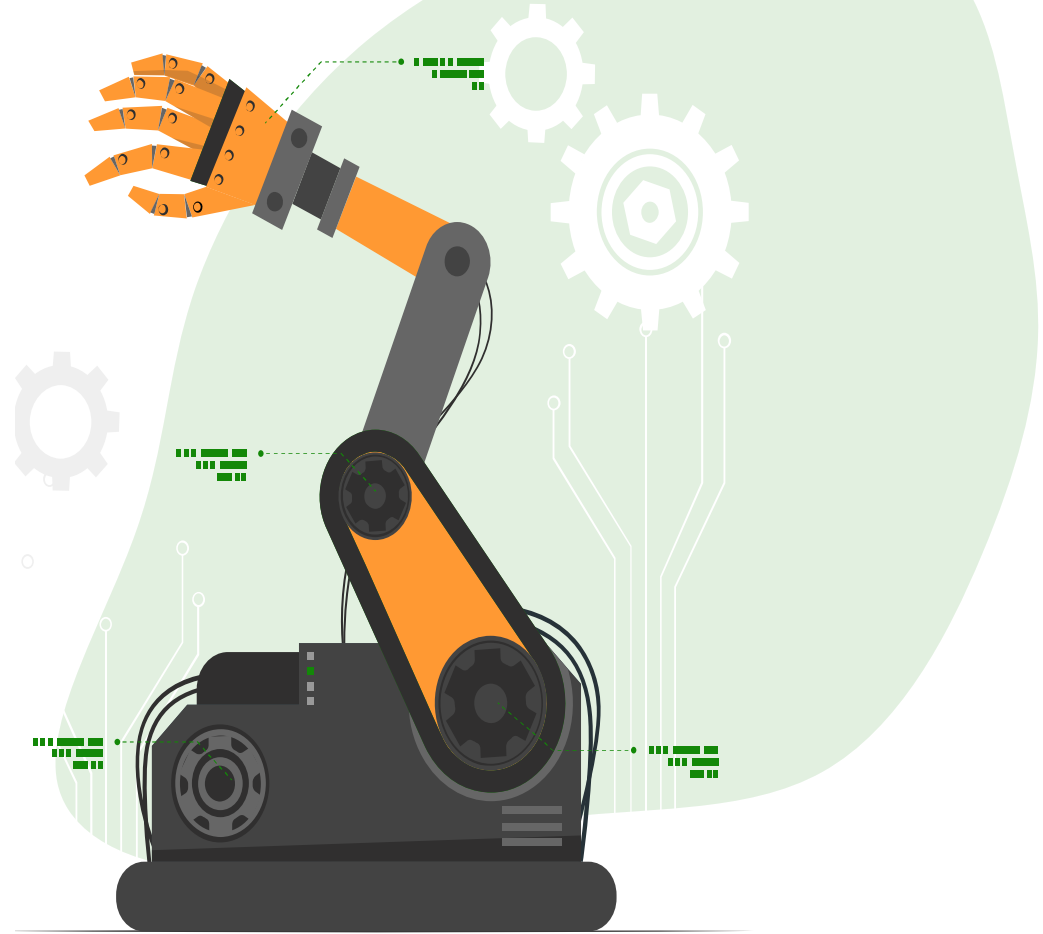


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03

REVIT

A tool used for BIM (Building
Information Modeling).





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Platform:

Desktop (Windows), Mobile (Viewer app).

Requirements:

Windows: Windows 10/11, 8 GB RAM (16 GB recommended), 2 GB GPU VRAM.

Linux: CentOS 7/8, 8 GB RAM (16 GB recommended), Multi-core CPU.

Installation:

Download via Autodesk Account; requires license activation.

Subscription:

Subscription-based; free 30-day trial, educational version available.

Uses:

Architecture, structural and MEP design, construction documentation, collaboration in real-time.

Key Features:

Parametric components, BIM integration, real-time collaboration with BIM 360, cloud-based project sharing.

Compatibility:

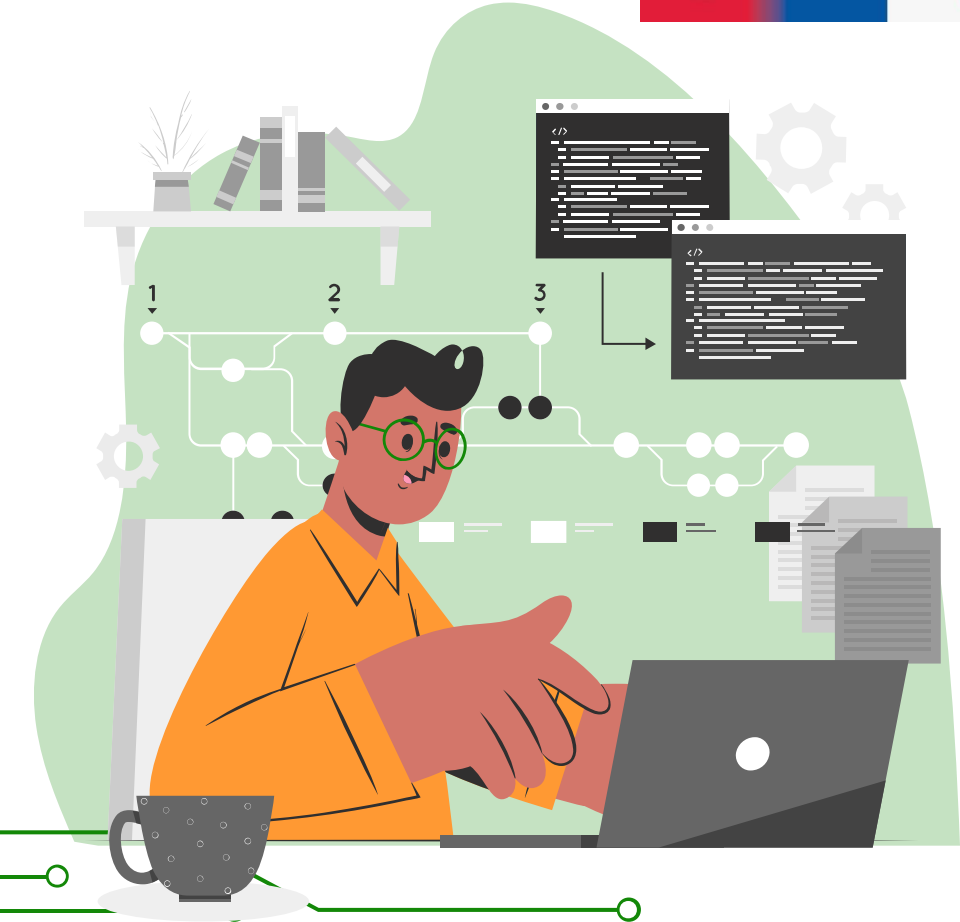
Works with AutoCAD, Navisworks, Fusion 360, BIM 360, supports IFC and DWG.

Pricing:

Subscription-based; various plans for individuals, teams, and enterprises.



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THANKS!
OBRIGADA!
GRAZIE!
TEŞEKKÜRLER!