



Pallavan Learning Systems

TECHNOLOGY & ARTIFICIAL INTELLIGENCE

RESOURCE eBook

Resources eBook: Technology & Artificial Intelligence

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Artificial Intelligence (AI) in the classroom enhances teachers' capabilities, empowering them with insights and tools to support student growth, adapt to individual needs, and prepare for the future. The objective of this ebook is to equip schools with current and flexible resources that empower learners to stay updated with technology. We believe this resource pack is indispensable in enriching the learning experience for all participants in the learning community. This ebook is a work in progress, and new editions will be released in the future with the latest resources.

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Common to all domains	https://en.squirrelai.com	Squirrel AI is an adaptive learning system that uses AI to personalize learning for students	K-12 grades	Subscription-based, pricing varies based on the level of education and duration of the subscription
Common to all domains	https://fathom.video/	AI-powered video editing tool	Adults	Paid plans only
Common to all domains	https://keras.io/	Keras is a high-level neural networks API, designed to be user-friendly and modular. It is built on top of TensorFlow and allows for fast prototyping of deep learning models	K-12 grades and adults	Free and paid plans available
Common to all domains	https://otter.ai/	AI-based transcription and note-taking tool	K-12 grades and adults	Free and paid plans available
Common to all domains	https://quillbot.com/	AI-based paraphrasing tool	K-12 grades and adults	Free and paid plans available

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Common to all domains	https://quillionz.com/	AI-based platform that creates quiz questions and assessments from educational content. It can be used for various age groups and subjects	K-12 grades and adults	Free and paid plans available
Common to all domains	https://rytr.me/	AI-powered writing assistant for generating content	K-12 grades and adults	Free and paid plans available
Common to all domains	https://tome.app/	AI-powered writing assistant for improving writing skills	K-12 grades and adults	Free and paid plans available
Common to all domains	https://writesonic.com/	AI-powered writing assistant for generating content	K-12 grades and adults	Free and paid plans available
Common to all domains	https://www.adobe.com/products/xd.html	A vector-based user experience design tool for web and mobile apps	Adults	Free and paid plans available
Common to all domains	https://www.beautiful.ai	AI-powered presentation design tool	Adults	Paid plans only

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Common to all domains	https://www.brain.fm/	AI-powered music app for focus and relaxation	Adults	Paid plans only
Common to all domains	https://www.designbeastapp.com/	AI-powered graphic design tool	Adults	Paid plans only
Common to all domains	https://www.edmentum.com	Edmentum is an adaptive learning platform that uses AI to provide personalized education across a range of subjects	K-12 grades and adults	Paid plans only
Common to all domains	https://www.figma.com	A web-based interface design tool that allows teams to collaborate in real-time	9-12 grades and adults	Paid with a limited free plan
Common to all domains	https://www.flexclip.com/	AI-based video creation tool	K-12 grades and adults	Free and paid plans available
Common to all domains	https://www.frase.io/	AI-powered content research and optimization tool	Adults	Paid plans only
Common to all domains	https://www.futurenda.com/	AI-based scheduling tool	Adults	Paid plans only

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Common to all domains	https://www.genei.io/	AI-powered research and summarization tool	Adults	Paid plans only
Common to all domains	https://www.gradescope.com	Turnitin Gradescope is an AI-powered essay grading tool that provides educators with feedback and insights	Adults	Paid plans only
Common to all domains	https://www.knewton.com	Knewton is an adaptive learning platform that uses AI to personalize learning for students	K-12 grades and adults	Subscription-based, pricing varies based on the number of users
Common to all domains	https://www.neuraltext.com/	AI-powered writing assistant for generating content	Adults	Free and paid plans available
Common to all domains	https://www.peppertype.ai/	AI-powered writing assistant for generating content	Adults	Free and paid plans available
Common to all domains	https://www.scalenut.com/	AI-powered content optimization tool	Adults	Paid plans only

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Common to all domains	https://www.sketch.com/	A vector graphics editor for creating UI and UX designs	Adults	Free and paid plans available
Common to all domains	https://www.smartsparrow.com	Smart Sparrow is an adaptive learning platform that allows educators to create and customize interactive courses	K-12 grades and adults	Paid plans only
Common to all domains	https://www.toonly.com/	AI-powered animation software for creating explainer videos	Adults	Paid plans only
Common to all domains	https://www.turnitin.com	Turnitin is an AI-based plagiarism detection tool that helps educators identify and prevent plagiarism, useful for K-12 and higher education	K-12 grades and adults	Paid plans only
Common to all domains	https://www.urkund.com	Urkund is an AI-based plagiarism detection tool that helps educators identify and prevent plagiarism	K-12 grades and adults	Paid plans only

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Common to all domains	https://superhuman.com/	AI-powered email management tool	Adults	Paid plans only
Common to all domains	https://trevorai.com/	AI-powered project management tool, it provide personalised schedule	Adults	Paid plans only
Common to all domains	https://www.ada.support	Ada Support is an AI-powered chatbot that provides personalized support and engagement to students, it provides	K-12 grades and adults	Paid plans only
Common to all domains	https://www.aidungeon.io	AI Dungeon is a game that uses AI to generate a text-based adventure game	9-12 grades and adults	Offers a free trial, then subscription-based
Common to all domains	https://www.classcraft.com	a gamification platform that uses AI to track student behavior and provide real-time feedback	K-12 grades and adults	Free and paid plans available

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Common to all domains	https://quizlet.com/	Learning tool - usage of flashcards, games, practise electronic assessment and live quizzes	K-12 grades and adults	Free
Common to all domains	https://padlet.com/	Collaborative web platform in which users can upload, organize, share content	6-12 grades and adults	Free and paid plans available
Common to all domains	https://www.adobe.com/sensei/generative-ai/firefly.html	It focuses on images and text-based generation	adults	Free
Common to all domains	https://www.century.tech/explore-century/primary-schools	that utilizes cognitive neuroscience and data analytics to construct personalized learning plans for students. In turn, these personalized plans reduce work for instructors, freeing them up to focus on other areas.	K-12 grades and adults	Paid
Common to all domains	https://www.plaito.ai/	The tool gives writing support, homework help and examination preparation	K-12 grades and adults	Free

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Common to all domains	https://www.cognii.com/	The focus is on leveraging and advancing the state of the art technologies such as Artificial Intelligence, Natural Language Processing, Machine Learning, and Cognitive Science to create a new type of educational experience that benefits all the stakeholders in the education ecosystem - students, teachers, administrators, parents, and governments.	K-12 grades and adults	Paid
Common to all domains	https://freelearninglist.org/	It provides a platform for educational resources under one roof.	K-12 grades and adults	Free
Common to all domains	https://lofi.co	It helps to create a calm, digital environment to enhance focus, for example the ambience of a hill station.	Adults	Paid plans only
Common to all domains	https://hemingwayapp.com/	The app highlights lengthy, complex sentences and common errors.	6-12 grades and adults	Paid plans only

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Common to all domains	https://www.explainpaper.com/	The app, highlights confusing text. It gives an explanation. Makes research paper easy to read	Adults	Paid plans only
Common to all domains	sejda.com	Helps in in editing of PDF documents	K-12 grades and adults	Free and paid plans available
Common to all domains	Super.so	Converts notion pages into websites	K-12 grades and adults	Free and paid plans available
English	AI integration in English	Document produced by CBSE, India, curated with the help of Intel	6 -10 grades	Free
Language	Books.google.com/talktobooks	Provided by Google that uses AI to help users discover books related to their interests. Allows users to enter a question or keyword to get recommendations for relevant books	K-12 grades and adults	Free

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Language	Glasp.co	An AI-powered summarization tool that can be used to summarize long articles and documents quickly and easily	K-12 grades and adults	Free and paid plans available
Language	https://app.copy.ai/	AI-powered content generation tool	Adults	Paid plans only
Language	https://blaze.today/	AI-powered text expansion tool	Adults	Paid plans only
Language	https://chat.openai.com/	OpenAI's GPT-3-based chatbot for generating human-like conversations	K-12 grades	Free and paid plans available
Language	https://copysmith.ai/	AI-powered content generation tool	Adults	Paid plans only
Language	https://elsaspeak.com	Elsa Speak is an AI-powered language learning app that can help children learn a new language	K-12 grades and adults	Free trial, then subscription-based

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Language	https://huggingface.co/	Hugging Face is an open-source platform that provides state-of-the-art models and tools for natural language processing tasks. It offers a library of pre-trained models that can be fine-tuned to perform specific NLP tasks	Adults	Free
Language	https://prowritingaid.com/	AI-powered writing assistant for improving writing skills	K-12 grades and adults	Free and paid plans available
Language	https://www.cs.cmu.edu/~ark/LightSIDE/	LightSIDE is a natural language processing tool that helps educators provide feedback on student essays	Adults	Free
Language	https://www.duolingo.com	Duolingo is a language learning platform that uses speech recognition technology and AI to personalize learning	K-12 grades and adults	Free and paid plans available

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Language	https://www.ibm.com/watson	IBM Watson is a suite of AI-powered tools that includes natural language processing, computer vision, and machine learning services. Watson provides businesses with various AI capabilities, including chatbots, speech-to-text, and visual recognition	Adults	Offers a free trial, but the full service requires payment
Language	https://www.tensorflow.org/	TensorFlow is a popular open-source machine learning library developed by Google Brain Team. It's used to build and train deep neural networks for various applications, including image classification, natural language processing, and speech recognition	Adults	Free
Language	https://www.rosettastone.com	Rosetta Stone is a language learning platform that uses speech recognition technology and AI to personalize learning	K-12 grades and adults	Paid plans only

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Language	https://www.wordtune.com/	AI-based writing assistant for improving writing skills	K-12 grades and adults	Free and paid plans available
Language	Lex.page	provides an AI-powered writing assistant that can help users improve their writing by suggesting changes and improvements	Adults	Free
Language	Perplexity.ai	Provides AI-powered tools for natural language processing and understanding. The website is aimed at developers and researchers	Adults	Offers a range of paid plans with access to advanced tools and features
Language	https://www.knowji.com/	An audio-visual vocabulary application that leverages current educational research. Knowji is designed for language learners, and it uses various methods and concepts to help students learn faster	K-12 grades and adults	Free

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Language	https://www.wordtune.com/	Helps in clear and compelling writing	Adults	Free and paid plans available
Life Science	https://kidscodejeunesse.org	Kids Code Jeunesse is a nonprofit organization that provides resources and support for parents and teachers to help children learn to code and understand AI	K-12 grades and adults	Free
Life Science	https://readyai.org	ReadyAI is a website that provides resources for parents and teachers to help children learn about AI and robotics	K-12 grades and adults	Free
Life Science	https://pytorch.org/	PyTorch is an open-source machine learning library that provides a dynamic computational graph, making it easier to build and train deep neural networks	Adults	Free
Life Science	https://theresanaiforthat.com/	AI chatbot for mental health support	K-12 grades and adults	Free

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Life Science	https://woeobot.io	Woeobot is an AI-powered chatbot that can provide mental health support for both adults and children	9-12 grades and adults	Offers a free trial, then subscription-based
Life Science	https://www.ai4k12.org	AI4K12 is a website that provides resources and support for K-12 teachers to teach AI concepts to students	K-12 students and educators	Free
Life Science	https://www.robowunderkind.com	Robo Wunderkind is a robotics kit for children that can teach them about programming and robotics	K-6 grades	Offers various kits with different price points
Life Science	https://earth.google.com/	Google Earth is a geobrowser that accesses satellite and aerial imagery, topography, ocean bathymetry, and other geographic data over the internet to represent the Earth as a three-dimensional globe	K-12 grades and adults	Free

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Maths	Bearly.ai	Provides AI-powered tools for content optimization and analysis. targeted towards content creators and marketers	Adults	Free and paid plans available
Maths	https://aws.amazon.com/sagemaker/	Amazon SageMaker is a fully managed machine learning service provided by Amazon Web Services. It provides developers and data scientists with tools for building, training, and deploying machine learning models at scale	Adults	Free Trial,full service requires payment
Maths	https://gym.openai.com	OpenAI Gym is a toolkit for developing and comparing reinforcement learning algorithms	Adults	Free
Maths	https://teachablemachine.withgoogle.com	A free web-based tool that allows teachers and students to create their own machine learning models without any prior coding experience	K-12 grades and adults	Free

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Maths	https://webflow.com	A web design and development platform that allows users to create responsive websites without coding	6-12 grades and adults	Paid plans only
Maths	https://www.aleks.com	ALEKS is an AI-powered math learning platform that can provide personalized learning experiences for students	K-12 grades and adults	Subscription-based, pricing varies based on the level of education and duration of the subscription
Maths	https://www.carnegielearning.com	Carnegie Learning is an intelligent tutoring system that uses AI to provide personalized math education	K-12 grades and adults	Paid plans only
Maths	https://about.zearn.org/research	A free, self-paced, web-based program aligned with Eureka Math—a free pre-K through 12 math curriculum—starts a typical lesson with fun warm-up activities, like adding up how many apples a cartoon fox eats, to engage students	K-5 grades	Free only

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Maths	https://happynumbers.com/?redirect=no	Breaks down mathematical equations to help students build understanding of higher-order math concepts	K-5 grades	Paid plans only
Maths	https://www.duckduckmoose.com/educational-iphone-itouch-apps-for-kids/moose-math/	Moose Math engages kids in a mathematical adventure and teaches counting, addition, subtraction, sorting, geometry and more	K-1 grades	Paid plans only
Maths	https://www.dreambox.com	DreamBox Learning is an adaptive learning platform that uses AI to provide personalized math education for K-8 students	K-8 grades	Paid plans only
Maths	https://www.desmos.com/	A website with interactive math activities and a graphing calculator	6 - 12 grades	Free

Domain	Link / Website/Apps	Description	Age Group	Free / Paid
Maths	http://wodb.ca/	showcases four shapes, numbers, or graphs and asks students to describe which one doesn't belong, using math vocabulary	K-12 grades	Free
Maths	AI integration in Maths	Document produced by CBSE, India, curated with the help of Intel	6 -10 grades	Free
Science	AI integration in Science	Document produced by CBSE, India, curated with the help of Intel	6 -10 grades	Free
Social Science	AI integration in Social Science	Document produced by CBSE, India, curated with the help of Intel	6-10 grades	Free

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