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AI USE CASES ACROSS INDUSTRIES

Practical Applications and Expected Outcomes

TABLE OF CONTENTS

COMMON AI USE CASES ACROSS INDUSTRIES

Medium-sized businesses of moderate digital maturity share many core processes and pain points. AI copilots can assist across departments – from drafting documents to analysing data – thereby freeing employees for higher-value work. **Common use cases include automated content generation, data analysis, customer service assistance, project management support, and internal knowledge bots.** These scenarios apply to most industries and can be implemented with minimal complexity ("easy to implement").

Key use cases are:

Automated Report Generation & Summarization

Use AI to instantly prepare documents, reports, or meeting summaries. Copilot can draft status reports, policy documents, or summarize long texts (emails, transcripts) into key points, saving employees from tedious writing tasks. For example, **Microsoft 365 Copilot in Word/Outlook/Teams** can produce meeting minutes or summarize email threads in seconds. This is relevant for **Management, Operations, and Project Teams** who need quick insights from communications or data.

Expected Outcome: Significant time savings and more informed decision-making. In one case, a construction firm used Copilot's Business Chat to aggregate data and create first draft reports, **cutting report preparation time by 50%**.

Applicable Tools: M365 Copilots (Word for documents, Teams for meeting recaps and chat summaries, Outlook for email summarization); Azure OpenAI (for custom summarization models if needed); Microsoft Fabric (to pull data for data-driven reports).

Intelligent Email Drafting & Customer Communication

Use AI to draft emails, responses, and help manage communications. Sales reps and customer service agents can rely on Copilot to compose professional emails or replies using context from previous interactions. **Microsoft 365 Copilot in Outlook** analyzes email threads and customer sentiment to suggest tailored responses. This is valuable for **Sales Teams and Customer Support groups** handling frequent communications.

Expected Outcome: Faster response times and more consistent, high-quality communication. For instance, a firm saw **email response times drop by 35%, improving customer satisfaction by 20%** after implementing Copilot for Outlook responses.

Applicable Tools: M365 Copilot (Outlook for email drafting, Teams with Copilot for crafting chat replies), Azure OpenAI (to power custom communication bots or multilingual response generation)

Data Analysis & Insights (Forecasting and BI)

Assist analysts and managers in making sense of data with AI-driven insights. Copilot can automate data crunching, identify trends, and even generate visualizations or forecasts. In finance, Dynamics 365 Copilot can analyze historical data to automate cash-flow forecasting, yielding highly accurate budget predictions. Business Central's built-in AI can also forecast sales and inventory needs. This use case spans **Finance Departments, Business Analysts, and Operations Managers** who need to interpret ERP/CRM data.

Expected Outcome: Better decision support and efficiency in analysis. One retail company using AI for forecasting cut the process time by **50% and improved accuracy, leading to a 15% boost in operational efficiency.**

Applicable Tools: Microsoft Fabric (for data integration and analytics across sources), Copilot in Microsoft Fabric (natural language queries to data, auto-generation of charts), M365 Copilot in Excel (formula suggestions, data summaries in spreadsheets), Azure OpenAI (for advanced predictive models or scenario simulations)

Sales & Marketing Content Generation

Generate product content, proposals, and marketing copy with AI. Copilot can help create engaging content – from product descriptions to sales presentations – accelerating the creative process. For example, **Copilot in Dynamics 365 Business Central** can auto-generate marketing text for product descriptions in e-commerce, highlighting key features of an item in an attractive way. Marketers can use Copilot in Word to draft campaign copy or **Copilot in PowerPoint** to design slide decks. This benefits **Marketing Teams, Sales, and Business Development**.

Expected Outcome: Faster creation of high-quality content, leading to more effective sales and marketing campaigns. Business Central users report that AI-generated product descriptions save considerable time and improve consistency in online product catalogs. A medium business using Copilot for proposals saw the proposal writing process become "up to six times faster," greatly improving their turnaround on bids.

Applicable Tools: M365 Copilots (Word, PowerPoint, Excel) for content and presentations; Dynamics 365 Copilot features (e.g., Business Central's item description Copilot); Azure OpenAI (for custom content generation like image creation or copywriting with specific tone guidelines).

Project Management Assistance

Keep projects on track with AI support in planning and execution. Copilot can monitor project data and surface insights or adjustments. Copilot in Microsoft Teams and Planner/Project can highlight schedule risks, resource overloads, or summarize project updates across chats and documents. This use case is relevant to Project Managers and Operations Teams juggling multiple initiatives.

Expected Outcome: Fewer project delays and more proactive management. In practice, a construction company managing projects across sites integrated Copilot and saw **project delays reduce by 25%**, thanks to AI-driven insights into scheduling and follow-ups. Copilot can also generate to-do lists or action items after meetings, ensuring accountability.

Applicable Tools: M365 Copilot (Teams Meetings for meeting notes and tasks, Planner or Project Copilot for project timeline analysis); Microsoft Fabric (to unify project data if scattered across systems); Copilot Studio (to build a custom project Q&A agent accessing project documents).

HR and Internal Knowledge Bot

Streamline HR processes and employee self service using AI assistants. With **Copilot Studio**, organizations can build a custom **HR Copilot agent** that handles common queries (benefits, policies) and assists with tasks like onboarding. For example, a Copilot-based HR assistant can generate an onboarding checklist for new hires and answer frequently asked questions by drawing from internal HR guides. Copilot can also help HR draft job descriptions or even analyze resumes against job requirements. This use case involves **HR Departments and All Employees (as end-users of an internal bot)**.

Expected Outcome: Reduced routine workload on HR staff and faster, consistent answers for employees. Microsoft 365 Copilot in Word can produce job descriptions or compare candidate resumes in minutes, and a custom Copilot chatbot can guide new employees through training, improving time-to-productivity.

Applicable Tools: Copilot Studio (to build and deploy the HR chatbot with enterprise data); M365 Copilot (Word for document drafting like job descriptions, Outlook for drafting HR communications); Azure OpenAI (Q&A with company data via knowledge base integration); Microsoft Fabric (to aggregate HR data for analytics, e.g. attrition trends).

IT and Development Productivity

Empower IT and software teams with AI for coding and troubleshooting. Developers can use **GitHub Copilot (powered by Azure OpenAI)** to get code suggestions and automate writing boilerplate code, while data engineers can leverage **Copilot in Microsoft Fabric** to generate data queries or pipeline code from plain English. This is relevant for **IT Departments, Data Analysts, and Developers** in medium businesses, especially digital-savvy ones.

Expected Outcome: Accelerated development cycles and reduced errors. Copilot's AI can suggest best-practice code snippets or help debug, speeding up coding tasks significantly. Data specialists with Copilot in Fabric can transform a natural language question into a working SQL/Python data query, lowering the skill barrier for complex analytics.

Applicable Tools: Azure OpenAI (GitHub Copilot for code, Azure AI Studio for building custom dev assistants); Microsoft Fabric (Copilot in Fabric for data engineering tasks); Copilot Studio (to create specialized agents, e.g. a chatbot to answer IT support questions or guide users through IT procedures).

The above use cases are broadly applicable across industry segments – improving productivity in daily workflows, from finance and sales to HR and IT. Next, we delve into industry-specific scenarios, which build on these common patterns but are tailored to the unique needs of Manufacturing, Construction, Digital Native businesses, and Higher Education.

MANUFACTURING INDUSTRY AI USE CASES

Medium-sized manufacturing companies can leverage AI to optimize production, maintenance, supply chain, and product development. These firms often use Business Central for finance, inventory, and production management – which, combined with AI, leads to smarter factories.

Key use cases include:

Factory Operations & Maintenance Assistant

Predictive maintenance and real-time operations support. A Copilot agent can analyze sensor readings and production data to predict equipment failures and recommend maintenance before breakdowns. For instance, **Copilot Chat** integrated with IoT or Business Central data can alert a plant manager: "Machine X's temperature is abnormal – schedule maintenance." This assists **Operations and Maintenance Teams.**

Outcome: Reduced unplanned downtime and extended equipment life. By using AI to "predict and prevent equipment failures" and guide staff on optimal actions, manufacturers keep machines running smoothly.

Tools: Azure OpenAI (analyze IoT data with AI models), Microsoft Fabric (collect and stream factory data for AI to consume), Copilot Studio (build a custom **Factory Agent** that workers can query for troubleshooting), and M365 Copilot (Teams with an operations channel where Copilot posts alerts/reports).

Supply Chain & Inventory Optimization

AI-driven demand forecasting and inventory management. Copilot can continuously monitor inventory levels, lead times, and sales orders to optimize reordering. In Business Central, AI forecasts can suggest stock replenishments or flag supply chain risks. **Supply Chain and Logistics Managers** get proactive insights (e.g., "Based on current trends, part ABC will run out in 10 days, consider reordering now").

Outcome: Leaner inventory and lower carrying costs, while avoiding stockouts. One company consolidated sales and supply data with Copilot in Fabric and **achieved a 12% reduction in inventory overhead** by spotting excess stock and improving fulfillment rates.

Tools: Dynamics 365 Business Central's Copilot features (sales & inventory forecasts), Microsoft Fabric (integrating supplier, inventory, and sales data for analysis), M365 Copilot in Excel (for generating inventory reports), Azure OpenAI (for advanced predictive models or what-if simulations on supply chain scenarios).

Product Design & Engineering Ideation

Accelerating product development with AI assistance. R&D teams in manufacturing can use copilots to brainstorm new product ideas, research materials, or even generate initial design drafts. For example, Copilot could summarize customer feedback and market trends to suggest features for a new product. Engineers can ask an **AI agent** (built via Copilot Studio) questions like "What alternative material could we use to reduce cost but maintain durability?" and get context-aware suggestions from technical databases. This involves **Product Development Teams and Engineers**.

Outcome: Faster innovation cycles and more creative solutions. AI can mine through patents, product specs, or customer requirements to aid engineers in ideation and problem-solving, shortening the "lifecycle from research and ideation to prototype"

Tools: Azure OpenAI (to analyze large knowledge bases or past design documents), Copilot Studio (to create a Product Research Copilot with domain-specific knowledge), M365 Copilot (Word for drafting design documents, summarizing research findings).

Quality Control & Compliance

AI-assisted quality checks and safety compliance. Copilot can help quality engineers quickly analyze production logs, test results, or customer complaints to identify quality issues early. For example, an AI agent might detect a pattern in defect reports and alert the quality team about a potential batch issue. Similarly, a Factory Safety Copilot could monitor incident reports and compliance checklists, ensuring OSHA (or relevant standard) compliance by prompting for missing steps. This is useful for Quality Assurance (QA) and Safety Officers.

Outcome: Higher product quality and safer operations with less manual effort on audits. Microsoft even previewed a **Factory Safety Agent** that guides workers to avoid incidents, streamlining the process from hazard detection to communication.

Tools: Copilot Studio (deploy a Quality/Safety Agent with manufacturing data connectors), Microsoft Fabric (aggregate quality data from various systems), M365 Copilot (Teams for incident report summaries, Excel for quality data analysis).

Customer Service & After-Sales Support

Intelligent support for manufactured products. Manufacturers often have support teams answering questions about products or troubleshooting issues. A Copilot integrated with CRM and product manuals can auto-generate knowledge base articles from resolved cases or assist support reps in crafting answers. For instance, Copilot in Dynamics 365 Customer Service can summarize a complex support ticket and draft a follow-up with troubleshooting steps. This helps Customer Service Departments in manufacturing (who handle technical inquiries, warranties, etc.).

Outcome: : Faster resolution and improved support quality. By turning past case data into a Q&A knowledge base, AI ensures agents can provide accurate solutions quickly, increasing first-time fix rates.

Tools: Dynamics 365 Customer Service Copilot (for case summarization and knowledge article creation); Azure OpenAI (for a customer-facing chatbot on the company's support site); M365 Copilot (Outlook for crafting customer emails about technical issues).

CONSTRUCTION INDUSTRY AI USE CASES

The construction industry deals with project-driven work, heavy documentation (blueprints, contracts), and coordination between office and field. Medium-sized construction firms using AI can streamline documentation, project management, and communication.

Key use cases include:

Proposal & Bid Preparation

Generate and refine project proposals, bids, and estimates using AI. Construction companies often spend significant time crafting proposals for new projects or responding to RFPs. **Microsoft 365 Copilot** can assist by drafting proposal documents, pulling in relevant past project details and formatting content in Word or PowerPoint. A project estimator could ask Copilot, "Draft a proposal for a 10-story commercial building, using our last proposal as a template," and then refine the output. This is used by Business Development and Estimating Teams

Outcome: : Much faster proposal turnaround and improved quality. In one construction startup, Copilot helped create comprehensive customer proposals "up to 6× faster" than before, while also improving consistency and professionalism. Speeding up bids means the company can pursue more opportunities and increase win rates.

Tools: : M365 Copilot (Word, PowerPoint for proposal content); Azure OpenAI (for custom estimating models or integrating cost databases to generate budgets); Copilot Studio (to build a Proposal Assistant that fetches data like standard unit costs or company boilerplates).

Project Management & Progress Tracking

Use AI to monitor project status, schedule, and communications. Copilot can summarize daily field reports, flag delays in schedules, and ensure everyone stays informed. For instance, Copilot in Teams can recap on-site meeting notes and extract key decisions or pending tasks. Copilot in Outlook can condense lengthy email threads between contractors into simple bullet points, so project managers don't miss critical updates. **This helps Project Managers and Site Coordinators** who juggle multiple stakeholders.

Outcome: Better coordination and fewer project delays due to miscommunication. A construction firm found that by using Copilot to improve reporting and communication, it reduced time spent on customer reports by half and minimized misunderstandings that previously led to delay. AI-powered summaries and reminders ensure that issues are caught and addressed promptly (e.g., Copilot might remind: "The concrete pour date is approaching and permits are pending approval").

Tools: M365 Copilot (Teams for meeting summaries and action items, Outlook for email summarization, Excel for auto-updating Gantt or budget tables), Dynamics 365 Project Operations Copilot (if using D365 for project management), Copilot Studio (custom **Project Q&A bot** that team members query for the latest project metrics or schedule)

Field Operations Assistant

Provide on-site personnel with a conversational assistant for data access and logging. On construction sites, foremen and engineers can benefit from hands-free access to information. An AI chatbot (via Copilot Studio) on a mobile device could answer questions like “Show me the latest floor plan for unit 5A” or “Has the steel shipment arrived as per Business Central inventory?” by pulling from SharePoint or the ERP system. It can also log issues by voice. **This use case serves Site Supervisors and Field Engineers.**

Outcome: Increased productivity in the field and reduced delays in seeking information. Instead of calling the office for data or fumbling through binders, the crew gets instant answers, ensuring work continues without interruption.

Tools: Copilot Studio (build a Construction Site Copilot that integrates with document libraries and ERP/CRM data), Azure OpenAI (natural language understanding for complex queries, possibly even image recognition if a worker snaps a photo of an issue), Microsoft Teams on mobile (to interface with the bot), Microsoft Fabric (to aggregate project data accessible to the bot)

Compliance & Safety Documentation

Streamline safety reports, compliance checks, and documentation with AI. Construction is rife with safety regulations and compliance paperwork (e.g., OSHA reports, inspection forms). Copilot can help draft incident reports or safety meeting notes in the required format. It can also scan through regulations and project docs to ensure compliance requirements are met (for example, verifying that a plan mentions all required safety measures). This use case involves Safety Managers and Compliance Officers.

Outcome: More thorough compliance adherence and time saved on documentation. With AI summarizing and cross-checking, a safety officer can quickly generate a weekly safety briefing report that covers all incidents and actions, or use a Copilot to review a subcontractor contract for specific legal clauses

Tools: : M365 Copilot (Word for report drafting, Excel for incident log summaries), Azure OpenAI (to power a Q&A on regulatory standards), Copilot Studio (a Compliance Copilot that staff can ask, e.g., “Does this procedure meet the new code update for electrical wiring?” and get an informed answer by referencing internal policy manuals).

Client Communication & Change Orders

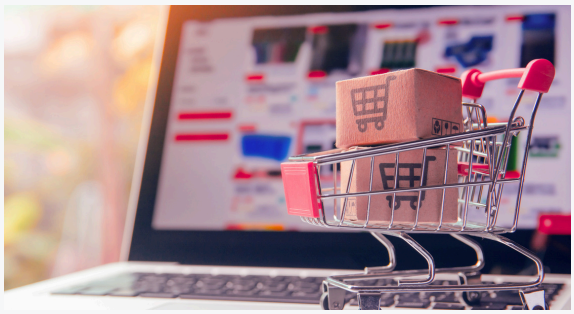
Help manage client updates and change order documentation. Changes are common in construction projects; Copilot can assist project admins in composing clear change order documents or updates to clients about project status. It can pull relevant data (budget impact, new timelines) from systems to include in the message. This ensures Project Administrators or Account Managers communicate effectively with clients

Outcome: Transparent and timely client communication, leading to higher client satisfaction and fewer disputes.

Tools: : M365 Copilot (Outlook and Word to draft change orders or status emails, pulling data from Excel schedules or PowerPoint charts), Dynamics 365 Sales Copilot (if managing contracts and needing to update CRM with change order info), Azure OpenAI (language tuning to maintain a professional and reassuring tone in sensitive communications).

DIGITAL NATIVE COMPANIES AI USE CASES

“Digital natives” refers to cloud-born businesses and tech-savvy startups that are quick to adopt new technologies. These companies often build their own software products or platforms and have a culture of automation. For them, Microsoft’s AI stack can be both an internal productivity booster and a platform for building new AI-driven solutions.



Key use cases include:

AI-Powered Customer Support Chatbot

Provide instant, 24/7 support through an AI agent. Digital-native companies (like SaaS providers or online services) can deploy chatbots as front-line support to handle common queries, troubleshoot issues, or even personalize recommendations. Using Copilot Studio, they can build a custom support agent that pulls information from product documentation, FAQs, and user account data. This serves the Customer Success/Support Team and End-Users directly.

Outcome: Scalable customer support with reduced workload on human agents, and improved user satisfaction due to immediate answers. For example, a startup can have Copilot automatically draft answers to support tickets or live chat queries, which human agents then verify – drastically shortening response times.

Tools: Copilot Studio (to create and manage the support chatbot); Azure OpenAI (the underlying AI model for understanding user questions and formulating answers); Microsoft Fabric (to connect and vector-search across knowledge base content, logs, or user data); Dynamics 365 Customer Service (to integrate AI with their existing support case system)

Enhanced Software Development & DevOps

Leverage AI during code development, testing, and IT operations. Digital native firms usually have active development pipelines. GitHub Copilot (backed by Azure OpenAI) is a natural fit to suggest code and automate unit test generation, helping developers code faster. Additionally, these companies can integrate Copilot into DevOps workflows – e.g., an AI agent that monitors build logs or cloud infrastructure and flags anomalies. This use case is for Developers, DevOps Engineers, and IT Ops.

Outcome: Accelerated development cycles, higher code quality, and faster incident resolution. Microsoft reports that Copilot’s coding assistance can speed up programming tasks significantly, freeing developers to focus on complex logic. For IT, Copilot can handle tasks like configuring settings or retrieving cloud resource info via simple chat commands (for instance, Copilot for Windows can help IT manage PC settings through natural language).

Tools: Azure OpenAI (GitHub Copilot for code completion and explanation), Azure DevOps + Copilot integration (for analyzing CI/CD pipeline results), Copilot in Fabric (to generate scripts/queries for data engineering tasks), possibly Azure AI Studio (to build custom dev focused copilots that can answer questions about the codebase or system architecture).

Data-Driven Insights & Analytics

Use AI to interpret business data and user analytics for strategic decisions. Digital natives often have an abundance of data (web analytics, user behavior, sales metrics). Copilot can assist non-technical business users in querying this data. For example, a product manager could ask a Copilot in Fabric or Power BI: "Which features are least used in our app last quarter?" and get a visual chart with an explanation. This democratizes data analysis for **Product Managers, Marketing, and Business Strategy Teams.**

Outcome: Faster, better-informed decisions without needing a data scientist for every query. One medium business used Copilot for Fabric to unify data from multiple sources (sales, supply chain, etc.) and got deep insights that led to operational improvements– similarly, a startup can discover user trends to shape product direction.

Tools: Microsoft Fabric (one analytics platform to bring together data sources; Copilot in Power BI to generate reports and dashboards with natural language prompts); Azure OpenAI (for advanced predictive analytics or to run ML models on customer churn, for example); M365 Copilot in Excel (for quick what-if analysis on data exported to spreadsheets).

Marketing and Creative Content Ideation

Brainstorm and create content with AI help. In a digital-first company, marketing campaigns and product messaging need to be fresh and frequent. Copilot can serve as a creative partner – generating blog post outlines, social media content, or even UI text suggestions. A Marketing Team can prompt Copilot for 5 variations of ad copy targeting different audiences, then refine the best one.

Outcome: Shorter creative cycles and a higher volume of content to fuel growth. The generative AI in Copilot can "help you take that first step in your creative process," spurring innovation by providing initial drafts and ideas. It ensures the team isn't starting from a blank page

Tools: M365 Copilot (Word for writing marketing content drafts, Designer or PowerPoint for visual ideas, Copilot in Teams for brainstorming sessions); Azure OpenAI (for custom-trained models on brand tone or for generating images via DALL-E); Copilot Studio (to build a branding assistant that ensures all content follows company style guides and pulls in the latest product info).

Product Enhancement via AI Services

Embed AI capabilities into the company's own products or services. Many digital natives deliver software to customers – they can use Azure OpenAI and Copilot services to add value to their products. For example, a SaaS application can integrate an Azure OpenAI-powered chatbot to help its end-users (similar to how Microsoft does with Copilots). This use case speaks to the **Product Development Team/CTO Office** directly.

Outcome: New AI-driven features in the company's product, differentiating it in the market. Microsoft's platform allows even startups to incorporate advanced AI without building from scratch– e.g., a startup could use Azure OpenAI's GPT-4 to enable natural language queries in its analytics software.

Tools: : Azure OpenAI Service (the core for embedding generative AI into apps); Copilot Studio (for building multi-turn conversation flows or agents within the product's interface); Microsoft Fabric (if the product involves heavy data, Fabric can power integrated analytics). This essentially uses Microsoft's AI as a foundation to create the company's own "copilot" features, a strategy that many "ISVs and digital natives are leveraging... to reshape business processes" with Microsoft's Copilot stack.

HIGHER EDUCATION
AI USE CASES

In Higher Education (universities, colleges), the user groups include faculty, students, and administrative staff. Medium-sized institutions or departments within larger universities can use AI to improve teaching, learning, and operations.

Key use cases include:

Personalized Tutoring & Student Assistance

AI as a tutoring assistant or study help for students. With Microsoft's education-specific copilots, students can get help via an AI chat that explains difficult concepts, provides examples, or assists with homework questions in a guiding manner. For example, a student could ask, "Explain Newton's second law with an example," and the copilot (grounded in approved curriculum content) would provide a helpful explanation. Some institutions are piloting Copilot Chat for Education, which offers "AI-powered chat… with commercial data protection" to ensure student data privacy. This serves Students and Academic Support Staff

Outcome: Enhanced learning experiences and on-demand academic help, freeing up instructors to focus on higher-level mentoring. Early uses at universities like Florida State show a range of student-facing benefits – from providing course information and homework help to making data science more approachable for learners

Tools: Microsoft 365 Copilot Chat (education version for safe student use); Copilot Studio (custom academic agents specialized in subjects or institutional knowledge); Azure OpenAI (for powering the chatbot with GPT-4 while respecting moderation policies)

Enhanced Software Development & DevOps

Help educators design curriculum and materials quickly. Professors and teachers can use Copilot to generate draft lesson plans, lecture outlines, quiz questions, and even teaching slides. For instance, an instructor could prompt, "Create a lesson plan for an introductory economics class on supply and demand," and Copilot will produce a structured outline with key concepts and activities. It can also assist in creating quizzes or summarizing research articles to incorporate into lessons. This use case is for Professors, Lecturers, and Instructional Designers

Outcome: Significant time saved in preparing educational content, allowing educators to spend more time on student interaction and research. In tests, Copilot was able to reduce lesson planning time by 50–70%, and grading workloads by up to 80% through AI-generated quizzes and automated feedback drafts.

Tools: M365 Copilot (Word for lesson plans and quizzes, PowerPoint for generating lecture slides, Teams for compiling resources), Azure OpenAI (to fine-tune a model on specific course material for deeper Q&A), Microsoft Designer (for creating educational visuals)

Administrative Data Analysis & Decision Support

Use AI for analyzing academic and operational data. University administrators often analyze large datasets: student performance metrics, enrollment trends, budget usage, etc. Copilot and Fabric can simplify this by quickly aggregating data and producing insights. For example, an administrator might ask, "Analyze student performance data by course over the past 5 years and identify any patterns in dropout rates," and AI will generate a summary with charts. This applies to Institutional Research, Academic Affairs, and Finance Departments in education.

Outcome: Data-driven decisions made faster, with deeper insight into institutional effectiveness. Copilot can cut down the time for compiling reports dramatically – one scenario showed data analysis and reporting tasks reduced by 70–90% when AI handled the heavy lifting of data crunching.

Tools: : Microsoft Fabric (to warehouse and relate data from student information systems, finance systems, etc.), Copilot in Power BI or Excel (natural language data exploration, creating dashboards), Azure OpenAI (for advanced predictive modeling, like predicting student at-risk scores), M365 Copilot (Word to write up policy documents or summaries of analysis).

Student Services and Advising Bot

Virtual assistant for student affairs and support services. Higher Ed institutions can deploy copilots to answer student queries about admissions, course registration, campus resources, or schedule advising appointments. Rather than hunting through websites or waiting in line at offices, students can ask a chatbot "How do I apply for financial aid?" or "What's the deadline to drop a class?" and get instant, accurate answers drawn from official data. This assists Student Services, Advising Centers, and IT Helpdesk as well, by offloading routine Q&A.

Outcome: Improved student satisfaction and staff efficiency, as common questions are resolved quickly and staff can focus on complex cases. Some universities are already creating agents that provide course information and even research help, indicating the wide potential.

Tools: Copilot Studio (build a Campus Assistant Copilot that integrates with knowledge bases like the student handbook, FAQs, and the learning management system); Azure OpenAI (Natural Language QA on institutional data with appropriate safeguards); Power Virtual Agents (as an interface on the school website or Teams for chat-based Q&A, now enhanced with GPT capabilities)

Research and Grant Writing Assistance

Help faculty and researchers in writing proposals, papers, or literature reviews. Copilot can serve as a research assistant by summarizing relevant literature, suggesting outlines for research papers, or even formatting citations. A researcher could ask, "Summarize the findings of these 5 papers on machine learning in education," and get a coherent summary to integrate into a literature review. For grant applications, Copilot can ensure all required sections are drafted and that the language aligns with call for proposals. This serves Research Faculty and Graduate Students

Outcome: More efficient research preparation and potentially higher-quality proposals (leading to more grants won), as AI helps cover all bases.

Tools: : : M365 Copilot (Word for iterative drafting and reviewing of research content), Azure OpenAI (for semantic search through academic papers or datasets), Microsoft OneNote with Copilot (to organize research notes and get summaries).

PROFESSIONAL SERVICES
AI USE CASES

Key use cases include:

Onboarding Agents

Used across consulting, legal, and IT services to digitize the process of engaging with prospective customers, vendors, or employees. The agent interacts with prospective stakeholders via email, SMS, WhatsApp, or a portal. It provides the required information and documentation, validates completeness, creates a record in the system, and initiates the approval process. The agent also responds to stakeholder queries and, once onboarding is complete, sends a welcome message.

AI-Powered Legal Drafting & Research

Legal firms are leveraging GenAI for:

- Drafting contracts, NDAs, and legal memos
- Conducting case law research
- Summarizing depositions and judgments **This is already in use by 26% of legal organizations, with 46% of legal departments using GenAI weekly**

Project Management & Task Automation

GenAI copilots assist with:

- Task tracking and reminders for timely completion of time sheets which is a known pain point of the industry
- Risk identification in project plans
- Generating status updates and dashboards

Automated Report Generation & Summarization

Used across consulting, legal, and IT services to auto-generate client reports, project summaries, and meeting minutes—saving hours of manual effort

Sales & Marketing Content Creation

Marketing agencies and IT firms use GenAI to:

- Generate social media posts, and email sequences
- Personalize outreach at scale
- Ideate creative concepts for branding

Proposal & Bid Preparation

Consulting and EPC firms use GenAI to:

- Draft RFP responses
- Generate project proposals
- Customize pitch decks based on client profiles

Customer Support & Knowledge Bots

GenAI agents are deployed as:

- 24/7 customer service bots
- Internal knowledge assistants for employees
- Self-service portals for clients

Financial & Risk Analysis

Used by legal, audit, and consulting firms to:

- Analyze financial statements
- Identify compliance risks

Unlock the Power of Generative AI for Your Business

Ready to explore how Gen AI can transform your operations, boost productivity, and drive innovation?

Whether you're just starting or already piloting AI initiatives, Alletec can help you:

- Identify high-impact use cases tailored to your industry
- Design and implement AI copilots using Microsoft's ecosystem
- Build a roadmap for scalable, secure, and responsible AI adoption

Schedule a Discovery Workshop

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