



EON Virtual Campus - Stanford University

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Graduate School of Business

Negotiation and Management

Negotiation and Conflict Management

Theory Learning:

- **Start:** Dive into the intricate world of negotiation and conflict management. Begin your journey with a clear understanding of the foundational concepts and methodologies.
- **Generate Floating Annotations:**
 - The Thomas-Kilmann Instrument: Understand the five primary styles of conflict resolution.
 - Win-Win Negotiation: The essence of mutually beneficial agreements.
 - BATNA (Best Alternative to a Negotiated Agreement): The power of alternatives.
 - The role of emotions in negotiations.
 - Influence of cultural differences on negotiation techniques.
 - Effective listening in conflict resolution.
 - The importance of non-verbal communication.
 - De-escalation techniques.
 - The role of mediation in conflict management.
 - Ethics in negotiations.
- **Run Show and Tell:** Engage in immersive visual demonstrations showcasing real-world negotiation scenarios, pitfalls, and techniques.
- **End:** Culminate the theoretical understanding and gear up for hands-on practice sessions.

Training (Practice):

- **Start:** Embark on practical simulations to hone your negotiation and conflict resolution skills.
- **Select AI Persona:**
 - The Competitive Negotiator.
 - The Collaborative Partner.
 - The Avoidant Diplomat.
 - The Compromising Middleman.
 - The Accommodating Peacekeeper.

- **Select Scenario:**
 - High-stakes business deal.
 - Workplace conflict between peers.
 - Cross-cultural negotiation.
 - Mediation in a team dispute.
 - Salary negotiation with a potential hire.
- **Start Training Session (role-play):** Engage in rigorous role-playing sessions with AI avatars, adjusting techniques based on the scenario's context.
- **End:** Reflect on the practice session, preparing for the assessment phase.

Assessment/Feedback:

- **Start:** Review your theoretical knowledge and practical prowess in negotiation and conflict management.
- **Send Conversion to be graded to AI:** Submit your interactions for an AI-based evaluation, focusing on theoretical application and practical execution.
- **Expert Avatar Debrief:** Receive nuanced feedback from the AI "expert avatar" on strengths, areas for improvement, and insights.
- **Show Charts:** Analyze a detailed AI-generated radar chart, visualizing your performance metrics.
- **End:** Gain a comprehensive view of your progress, equipped with insights for future development in negotiation and conflict management.

Leadership Dynamics

Theory Learning:

- Begin your journey into Leadership Dynamics with a seamless entry into a specialized learning environment.
- **Floating Annotations:**
 - "Transformational vs. Transactional Leaders"
 - "Role of Emotional Intelligence in Leadership"
 - "Leading by Example: The Gold Standard"
 - "Visionary Leadership: A Foresight-driven Approach"
 - "The Delicate Balance of Autocratic Leadership"
 - "Inclusive Leadership: A Modern Necessity"
 - "Strategic Leadership: Guiding through Complexity"

"Leadership Styles: Choosing the Right Fit"

"Challenges of Leadership in Modern Times"

"Developing Future Leaders: The Succession Plan"

- Engage with the "Run Show and Tell" feature for interactive visual presentations on Leadership Dynamics and its real-world implications.
- Culminate your theoretical foundation on leadership, prepping you for hands-on role-play.

Training (Practice):

- Transition from theoretical knowledge to practical leadership exercises.
- **AI Personas:**
 - "Visionary CEO"
 - "Transformational Team Lead"
 - "Strategic Department Head"
 - "Empathetic HR Manager"
 - "Resilient Project Manager"
- **Scenarios:**
 - "Driving a Change in Organizational Culture"
 - "Overcoming Team Conflicts"
 - "Strategizing a New Product Launch"
 - "Managing a Diverse Team"
 - "Reviving a Stagnant Department"
- Engage in role-playing sessions, adapting and responding based on the chosen persona and scenario.

Assessment/Feedback:

- Dive deep into an introspective evaluation phase.
- Have your leadership role-play session analyzed by the cutting-edge AI grading system.
- Receive insights and detailed feedback from the "Expert Avatar" specializing in leadership dynamics.
- Visualize your strengths and areas of improvement through AI-generated radar charts.
- Conclude your learning with a holistic overview of your leadership prowess and development areas.

Business Ethics and Corporate Responsibility

Theory Learning:

- Embark on an enlightening journey into the realm of Business Ethics and Corporate Responsibility.
- **Floating Annotations:**
 - "The Pillars of Business Ethics"
 - "Corporate Social Responsibility (CSR): Beyond Profit"
 - "Ethical Dilemmas in the Business World"
 - "Stakeholder vs. Shareholder Value: The Balance"
 - "Environmental Responsibility in Modern Business"
 - "Workplace Ethics: Fairness and Inclusivity"
 - "Consumer Rights and Ethical Marketing"
 - "Supply Chain Ethics: The Global Responsibility"
 - "Transparency and Accountability in Business"
 - "Ethics in Digital Transformation and AI"
- Dive into the "Run Show and Tell" sessions for interactive insights into the core of business ethics and their practical implications.
- Conclude your theory segment with a strong understanding of business ethics principles and practices.

Training (Practice):

- Transition your theoretical knowledge into real-world ethical scenarios.
- **AI Personas:**
 - "Ethical Compliance Officer"
 - "Sustainability-focused CEO"
 - "Customer-centric Marketing Manager"
 - "Transparent Supply Chain Manager"
 - "Employee-first HR Head"
- **Scenarios:**
 - "Addressing a Potential Bribery Situation"
 - "Implementing Green Initiatives in the Company"
 - "Managing a Product Recall Ethically"
 - "Promoting Diversity and Inclusion in the Workplace"
 - "Ensuring Ethical Practices in Global Operations"
- Engage in nuanced role-playing sessions, addressing ethical dilemmas based on the chosen persona and scenario.

Assessment/Feedback:

- Reflect on your decision-making processes and ethical standings.
- Have your ethical decisions and actions analyzed meticulously by the AI system.
- Benefit from the wisdom of the "Expert Avatar" specializing in business ethics and corporate responsibility.
- Visualize your ethical decision-making metrics through AI-driven radar charts.
- End your course with a comprehensive understanding of your ethical compass and areas to nurture.

Corporate Board Leadership and Dynamics

Theory Learning:

- **Start:** Initiation into the intricacies of corporate board leadership and its dynamics. Understand the roles, responsibilities, and interplay between board members.
- **Floating Annotations:**
 - Board Structure: Overview of typical board compositions and roles.
 - Decision Making: The process and importance of consensus.
 - Conflict Resolution: Techniques and strategies for diffusing tension.
 - Ethical Governance: Ensuring transparency and integrity in board decisions.
 - Stakeholder Value: Prioritizing and understanding stakeholder needs.
 - Board Evaluation: Metrics for assessing board performance.
 - Succession Planning: Ensuring continuity in board leadership.
 - Board Meetings: Structuring effective and efficient board meetings.
 - Legal Responsibilities: Overview of fiduciary duties and liabilities.
 - Strategic Direction: Role of the board in guiding company strategy.
- **Run Show and Tell:** Engage with real-world examples of board dynamics, challenges faced, and resolutions achieved.
- **End:** Summarize the theoretical insights and transition to the practical training module.

Training (Practice):

- **Start:** Transition from board dynamics theory to hands-on scenarios.
- **AI Personas:**

Experienced Board Chair: Steers the board meetings and provides leadership.

Novice Board Member: Brings fresh perspectives but may need guidance.

Stakeholder Representative: Voice of the shareholders or key stakeholders.

Ethics Watchdog: Ensures the board maintains ethical standards.

Strategy Specialist: Guides the board in strategic planning and vision setting.

- **Select Scenario:**

Conflict during Board Meeting: Address disagreements and find common ground.

Strategic Direction Decision: Chart the company's future direction.

Ethical Dilemma: Navigate a situation that tests the board's ethics.

Succession Planning: Choose the next board chair or CEO.

Financial Decision Making: Make budgetary decisions or investments.

- **Start Training Session:** Role-play your way through board dynamics with the AI avatar, adapting to each scenario's context.
- **End:** Transition into the assessment phase for detailed feedback.

Assessment/Feedback:

- **Start:** Begin the evaluation of your grasp on corporate board dynamics.
- **Send Conversion to be Graded to AI:** Your role-play decisions are assessed for their alignment with best practices.
- **Expert Avatar Debrief:** Detailed insights from a 'Board Veteran' avatar on areas of improvement, strengths, and recommendations.
- **Show Charts:** Visualize your performance on decision-making, conflict resolution, strategy setting, and more.
- **End:** Reflect on your progress and identify areas for further learning and development.

Stakeholder Management in Business

Theory Learning:

- **Start:** Dive deep into the world of stakeholder management, understanding their roles, interests, and influence on business decisions.

- **Floating Annotations:**

Stakeholder Identification: Methods to identify key players.

Stakeholder Analysis: Understand interests, influence, and expectations.

Engagement Strategies: Effective ways to interact with and engage stakeholders.

Conflict Management: Handling disagreements with stakeholders.

Stakeholder Communication: Tailoring messages to different groups.

Priority Setting: Determining which stakeholders to focus on.

Feedback Loops: Ensuring regular check-ins with stakeholders.

Stakeholder Rights: Legal and ethical obligations towards stakeholders.

Stakeholder in Decision Making: Integrating their views in decisions.

Stakeholder Mapping: Visual tools to categorize and prioritize.

- **Run Show and Tell:** Witness real-world challenges in stakeholder management and successful strategies to handle them.

- **End:** Transition to the practical application of stakeholder management.

Training (Practice):

- **Start:** Immerse in scenarios to practice stakeholder management techniques.

- **AI Personas:**

Major Shareholder: Holds a significant portion of company shares.

Local Community Leader: Represents the interests of the local community.

Government Official: Regulatory and compliance perspective.

Environmental Activist: Advocates for sustainable business practices.

Supply Chain Representative: Ensures smooth supply chain operations.

- **Select Scenario:**

Project Impacting Local Community: Address concerns and find win-win solutions.

Sustainability Initiative Feedback: Engage with various stakeholders on a green initiative.

Regulatory Hurdles: Work with government officials to understand and navigate regulations.

Supply Chain Disruption: Coordinate with suppliers and other stakeholders.

Company Restructuring: Address concerns of various stakeholders including employees and investors.

- **Start Training Session:** Engage in role-play scenarios, making key stakeholder management decisions with the AI avatar.

- **End:** Prepare for feedback and assessment of your stakeholder management skills.

Assessment/Feedback:

- **Start:** Evaluate your skills in managing diverse stakeholders.
- **Send Conversion to be Graded to AI:** Analysis of your stakeholder engagement decisions.
- **Expert Avatar Debrief:** Insights from a 'Senior Stakeholder Relations Expert' avatar. Feedback on areas of strength and recommendations for improvement.
- **Show Charts:** Get a visual representation of your performance metrics across various stakeholder management areas.
- **End:** Review and reflect on areas of improvement and future learning paths.

Finance and Operations 6. Corporate Financial Strategy

Sales and Marketing Strategy

Delve deep into the dynamic world of Sales and Marketing Strategy with the state-of-the-art EON AI Assistant. This immersive course leverages augmented and virtual reality technologies, providing learners with an interactive experience, diving into the nuances of customer behavior, market analysis, and innovative promotional strategies.

Features:

- **Knowledge Portal with Floating Annotations:**
 - A captivating hero image depicting a thriving marketplace.
 - 10 distinct portals illustrating key sales techniques, market segmentation, branding essentials, and campaign planning. Each portal is enriched with images, videos, and an AI avatar offering expert insights into modern marketing methodologies.
- **3-D Model Integration:**
 - Interactive 3D models of successful marketing funnels, sales pipelines, and customer journey maps sourced from EON's vast library.
 - For specific niche strategies, placeholder images provide context until specialized models are available.
- **Annotations for the 3-D Model:**

- Intuitive annotations guiding learners through intricate marketing channels, customer touchpoints, and sales conversion steps.
- Upcoming IntelliScan feature to offer real-time feedback on market trends and shifts.
- **Assessment Creation:**
 - Engaging quizzes on sales tactics, marketing mix components, and brand equity assessment.
 - Future additions include scenario-based challenges on product positioning, market penetration strategies, and more.
- **AI Generated Universal Skill Simulator:**
 - A hands-on experience with simulations on launching a product, optimizing digital ad campaigns, and engaging in B2B negotiations.
 - AI-driven feedback on strategy formulation and execution.
- **Interactive Simulation Scenarios:**
 - Dive into real-world scenarios such as tackling market saturation, devising loyalty programs, and influencer collaboration.
 - Design your bespoke simulations for niche markets using Eon Interact.
- **Incident Simulation:**
 - Confront critical incidents like product recalls, PR crises, or disruptive market entrants, and strategize your response.
 - Customize incident scenarios to match specific industry challenges.

Supply Chain Visualization and Management

Harness the power of the EON AI Assistant to master Supply Chain Visualization and Management. This immersive course, embedded with AR and VR capabilities, provides a deep understanding of supply chain logistics, inventory management, and strategic sourcing.

Features:

- **Knowledge Portal with Floating Annotations:**
 - A hero image showcasing global supply chain networks.
 - 10 portals focusing on warehousing, transportation, procurement, and JIT strategies, each accompanied by images, videos, and an AI avatar explaining the intricacies of effective supply chain management.
- **3-D Model Integration:**

- Engaging 3D models of warehousing systems, logistics hubs, and transportation networks.
- Placeholder images for niche topics like reverse logistics and green supply chain practices.
- **Annotations for the 3-D Model:**
 - Detailed annotations on inventory turnover ratios, bottleneck analysis, and lean supply chain techniques.
 - Future IntelliScan features to analyze real-time supply chain disruptions.
- **Assessment Creation:**
 - Quizzes on topics like global sourcing, demand forecasting, and risk mitigation.
 - Anticipated quiz additions on circular economy principles and sustainable procurement.
- **AI Generated Universal Skill Simulator:**
 - Simulate procurement negotiations, warehouse management scenarios, and transportation optimization tasks with real-time AI feedback.
- **Interactive Simulation Scenarios:**
 - Explore scenarios like managing a global supply chain disruption, implementing RFID technologies, or transitioning to a digital twin model.
 - Craft unique simulations specific to sectors like e-commerce or pharmaceuticals.
- **Incident Simulation:**
 - Tackle incidents like supply chain bottlenecks, vendor disputes, or unexpected demand surges.
 - Design custom incident scenarios based on real-world challenges.

Investment Banking Techniques

Master the world of Investment Banking with the revolutionary EON AI Assistant. This AR and VR integrated course delves into financial modeling, mergers and acquisitions, and capital market strategies, offering an unparalleled immersive experience.

Features:

- **Knowledge Portal with Floating Annotations:**
 - A striking hero image encapsulating the pulse of the financial market.

- 10 portals highlighting key topics like equity research, derivatives trading, and IPO strategies, enriched with images, videos, and an AI avatar elucidating intricate banking techniques.
- **3-D Model Integration:**
 - Interactive 3D models of financial instruments, stock market simulations, and deal structures.
 - Placeholders for advanced topics like algorithmic trading and hedge fund strategies.
- **Annotations for the 3-D Model:**
 - Detailed annotations on valuation techniques, risk management, and asset securitization.
 - Upcoming IntelliScan features for real-time market trend analysis.
- **Assessment Creation:**
 - Quizzes centered around financial statement analysis, investment strategies, and regulatory compliance.
 - Future quiz modules on fintech innovations, cryptocurrency markets, and more.
- **AI Generated Universal Skill Simulator:**
 - Engage in simulations of M&A negotiations, portfolio management, and bond trading, all under the guidance of an AI avatar.
- **Interactive Simulation Scenarios:**
 - Dive into real-life scenarios such as managing a hostile takeover, navigating a stock market crash, or launching a mega IPO.
 - Use Eon Interact to create custom simulations, specific to niche financial sectors.
- **Incident Simulation:**
 - Address critical incidents like financial meltdowns, ethical dilemmas, or sudden geopolitical events impacting the market.
 - Design unique incident scenarios to match specific banking challenges.

Entrepreneurship and Innovation 10. Startup Dynamics and Pitching

Innovation and Design Thinking Workshops

Dive deep into the realm of innovation and design thinking using the latest in augmented and virtual reality teaching tools. Harness the power of the EON AI Assistant

to gain an immersive and interactive understanding of the principles, processes, and techniques essential for modern-day innovators and design thinkers.

Knowledge Portal with Floating Annotations:

- Explore iconic designs and breakthrough innovations via an engaging hero image sourced from historic milestones in design thinking.
- Navigate 10 knowledge portals showcasing images, text, videos, and an AI avatar explaining pivotal moments in innovation and design evolution.

3-D Model Integration:

- Engage with 3D models of renowned design prototypes from EON's comprehensive library.
- Familiarize yourself with key design tools and concepts with illustrative 3D models.
- Import CAD designs of famous innovations for a closer look.

Annotations for the 3-D Model:

- Decode the intricacies of popular design concepts with floating annotations.
- Experience real-time image recognition-based annotations using the IntelliScan feature, ensuring a thorough understanding.

Assessment Creation:

- Test your grasp of innovation and design principles through diverse quizzes, including identifying major design eras, locating influential innovators, and more.

AI Generated Universal Skill Simulator:

- Engage in simulated design scenarios, guiding you through standardized processes.
- Enrich your learning with 3D animated design challenges assessed by the AI avatar.

Interactive Simulation Scenarios:

- Encounter real-life scenarios of innovation breakthroughs.
- Craft your design simulations to mirror real-world design problems.

Incident Simulation:

- Learn from historical design flaws and triumphs through AI-presented incidents.
- Assess your problem-solving abilities in innovative scenarios.

Venture Capital Negotiation

Navigate the intricate world of venture capital negotiations with the sophisticated EON AI Assistant. Immerse yourself in real-life scenarios, equip yourself with negotiation tactics, and gain an in-depth understanding of the venture capital landscape using augmented and virtual reality tools.

Knowledge Portal with Floating Annotations:

- Commence with a hero image displaying a pivotal moment in venture capital history.
- Journey through 10 knowledge portals filled with images, videos, text, and an AI avatar elucidating the intricacies of successful venture capital negotiations.

3-D Model Integration:

- Delve into 3D models of key financial instruments and documents pivotal in venture capital negotiations.
- Use the illustrative 3D models to understand the nuances of equity deals, term sheets, and more.

Annotations for the 3-D Model:

- Dissect complex venture capital instruments with the help of floating annotations.
- The IntelliScan feature enhances comprehension through image recognition-based annotations.

Assessment Creation:

- Gauge your understanding of the venture capital world with quizzes. Test your knowledge on equity types, negotiation tactics, and key venture capital terminologies.

AI Generated Universal Skill Simulator:

- Step into simulated negotiation rooms, mastering standard procedures with the guidance of the AI avatar.
- Experience 3D animated scenarios, teaching you the art of striking a successful deal.

Interactive Simulation Scenarios:

- Tackle real-life venture capital negotiation scenarios.
- Fine-tune your negotiation strategies using self-created simulations.

Incident Simulation:

- Learn from past venture capital negotiation successes and failures as presented by the AI avatar.

- Put your decision-making skills to the test in high-stakes venture capital incidents.

School of Earth, Energy & Environmental Sciences

Geosciences

Mineralogy & Petrology Visualization

The "Mineralogy & Petrology Visualization" course, powered by the EON AI Assistant, offers an immersive dive into the captivating world of minerals and rocks. Students will benefit from interactive 3D models, expert annotations, and diverse assessments. Simulations of real-life scenarios and incidents further enhance the learning experience. A combination of AI-driven content and user customization ensures a comprehensive understanding of mineralogy and petrology.

Knowledge Portal with Floating Annotations:

Delve deep into the intricate world of minerals and rocks. Using the state-of-the-art EON AI Assistant:

- **Hero Image Display:** A captivating image from renowned mineralogists and petrologists, drawing you into the world of intricate crystalline structures and rock formations.
- **Floating Knowledge Portals:** Interact with 10 immersive portals that house:
 - High-resolution **images** of various minerals and rocks.
 - Detailed **text** on the formation, properties, and significance of each specimen.
 - Engaging **videos** showcasing field studies, extraction processes, and more.
 - An **AI Avatar** guiding you through the fascinating world of mineralogy and petrology, providing expert insights and explanations.

3-D Model Integration:

Experience minerals and rocks like never before!

- Dive into EON's vast library to explore 3D models of minerals and rock specimens.
- Absorb the intricacies of each sample, be it the brilliance of a quartz crystal or the layered beauty of sedimentary rocks.
- Use the **Illustrative Example** of a quartz crystal's 3-D model to understand its atomic structure and formation processes.
- Enjoy the flexibility of importing your mineral or rock **CAD model** or even scanning a personal specimen (available at an additional fee).
- Stay tuned for the 2024 upgrade, allowing seamless text to 3D conversion of mineral and rock descriptions.

Annotations for the 3-D Model:

Navigate the complex world of mineralogy and petrology with expertly crafted annotations.

- Benefit from auto-generated floating annotations for every mineral and rock model.
- Experience the revolutionary **IntelliScan** feature from Q1 2024, enhancing image recognition-based annotations.
- Customize your learning by adding personal annotations (available at an additional fee).

4. Assessment Creation:

Test your knowledge and comprehension with varied quizzes.

- Engage with a plethora of quizzes from standard drop menus to Jeopardy-style challenges.
- Upcoming in 2024, expand your testing capabilities with drag and drop, matching, ordering, and more.

5. AI Generated Universal Skill Simulator:

Perfect your identification and classification skills in mineralogy.

- Master the top five procedures in mineralogy and petrology.
- Learn via 3-D animations guided by an AI avatar, covering processes from mineral identification to rock formation.

- Get hands-on with procedures such as mineral streak tests, rock layer identification, and more.

6. Interactive Simulation Scenarios:

Discover real-life scenarios in the field of mineralogy and petrology.

- AI presents scenarios like the formation of igneous rocks from magma or the metamorphism process.
- Craft your own simulations using Eon Interact (manual process available at an additional fee).

7. Incident Simulation:

Delve into critical incidents in the world of mineralogy.

- Explore incidents like mineral misidentification or the impact of tectonic movements on rock formations.
- Create bespoke incident simulations using Eon Interact for a more personalized learning experience (available at an additional fee).

Seismology and Earthquake Forecasting

Dive deep into the world of seismology and understand the intricacies of earthquake forecasting. This course, powered by EON AI Assistant, offers an immersive experience that seamlessly combines traditional course materials with augmented and virtual reality.

Knowledge Portal with Floating Annotations:

- **Hero Image:** A dynamic representation of the Earth's tectonic plates and seismic waves.
- **Floating Knowledge Portals:** Interactive modules featuring:
 - Images of seismographs, fault lines, and earthquake aftermaths.
 - Text describing the science behind seismic activities.
 - Videos of real-life earthquake footage and simulations.
 - An AI Avatar that explains the causes, effects, and prediction methods associated with earthquakes.

3-D Model Integration:

- Detailed 3-D models of Earth's crust layers, tectonic plates, and seismic waves.
- Interactive cross-sections of fault lines and the Earth's mantle.
- A 3-D model of a seismograph for understanding earthquake measurements.

Annotations for the 3-D model:

- Floating annotations describing the various layers of the Earth, fault types, and seismic wave classifications.
- IntelliScan features enhanced image recognition-based explanations.

Automated Assessment Creation:

- Quizzes to test understanding of seismic theories, earthquake zones, and prediction methodologies.

AI-Generated Universal Skill Simulator:

- Simulations of earthquake events, allowing learners to experience and respond to various seismic scenarios.
- 3-D animations detailing the formation of tsunamis post-earthquake, the ripple effect of seismic waves, and more.

Interactive Simulation Scenarios:

- Real-world earthquake forecasting scenarios presented with 3-D models.
- Simulations of decision-making processes during seismic events.

Incident Simulation:

- AI-generated earthquake incident scenarios assessing learners on response and mitigation strategies.

Geospatial Analysis

Uncover the complexities of geospatial analysis with a course that brings together cutting-edge AI and immersive AR/VR technologies.

Knowledge Portal with Floating Annotations:

- **Hero Image:** A vivid satellite view of Earth, showcasing various terrains and features.
- **Floating Knowledge Portals:** Covering:
 - Images of topographic maps, satellite images, and GIS tools.
 - Text elucidating the principles of geospatial data collection and analysis.
 - Videos of geospatial projects and their real-world applications.

- An AI Avatar guiding learners through the nuances of spatial data and its significance.

3-D Model Integration:

- Interactive 3-D models of terrains, landscapes, and urban layouts.
- Visualization of data layers in GIS and spatial patterns.

Annotations for the 3-D model:

- Informative annotations explaining geographic features, data layers, and spatial relationships.
- IntelliScan features to recognize and explain various geospatial elements.

Automated Assessment Creation:

- Quizzes focusing on spatial theories, GIS tools, and data interpretation.

AI-Generated Universal Skill Simulator:

- Simulations letting students practice geospatial data collection, mapping, and spatial pattern recognition.
- Guided 3-D animations explaining the flow of geospatial projects from data collection to visualization.

Interactive Simulation Scenarios:

- Real-world challenges in geospatial analysis depicted through interactive 3-D models.
- Simulations on creating maps, analyzing spatial data, and implementing geospatial solutions.

Incident Simulation:

- Scenarios where learners tackle geospatial problems, such as natural disaster response or urban planning.

Energy and Environment

Environmental Policy Simulation

This course dives deep into the intricacies of environmental policy-making through immersive simulations. It educates learners on policy development, implementation, and monitoring by leveraging the state-of-the-art EON AI Assistant.

Knowledge Portal with Floating Annotations:

- Hero image showcasing a dynamic earth environment and evolving ecosystems.

- 10 floating Knowledge Portals on various aspects of environmental policy, such as:
 - International Environmental Agreements.
 - Conservation Strategies.
 - Biodiversity.
 - Pollution Control.
 - Deforestation.
 - The AI Avatar provides insights into the nuances of each policy aspect.
- **3-D Model Integration:**
 - Detailed models of ecosystems, policy implementation scenarios, and global landscapes.
 - For topics like marine conservation, a 3-D model of coral reefs and marine biodiversity.
 - Editing options to analyze policy effects in different ecosystems.
 - Importable models of specific regions or ecosystems for personalized study.
- **Annotations for the 3-D model:**
 - Auto-generated floating annotations highlighting policy details and their impacts.
 - IntelliScan feature for image recognition-based annotations on real-world policy implementations.
- **Automated Assessment Creation:**
 - Quizzes on policy details, impacts, challenges, and global comparisons.
 - Future quizzes on policy implementation, success stories, and case studies.
- **AI-Generated Universal Skill Simulator (3D assessment):**
 - Simulation of environmental policy implementation in various ecosystems.
 - AI-guided 3-D animations on policy development processes.
- **Interactive Simulation Scenarios (add-on module):**
 - Real-world environmental policy scenarios, successes, and failures.
 - Creation of customized simulations to understand policy challenges.
- **Incident Simulation (add-on module):**
 - Incidents like oil spills, deforestation drives, etc., using the Knowledge Portal.
 - User assessment based on policy response and management.

Renewable Energy Systems

A comprehensive exploration of renewable energy sources, their technologies, benefits, challenges, and global trends, delivered through the EON AI Assistant's interactive interface.

Detailed Features:

- **Knowledge Portal with Floating Annotations:**
 - Hero image representing the sun, wind, and water, symbolizing major renewable energy sources.
 - 10 Knowledge Portals on:
 - Solar Energy.
 - Wind Energy.
 - Hydroelectric Power.
 - Geothermal Energy.
 - Biomass.
 - The AI Avatar elucidates the technology, impact, and future of each energy type.
- **3-D Model Integration:**
 - Interactive models of solar panels, wind turbines, hydroelectric dams, and more.
 - Editing options to understand the inner workings of each technology.
 - Personalized study through importable models of specific renewable energy installations.
- **Annotations for the 3-D model:**
 - Annotations on the mechanics, benefits, and challenges of each energy type.
 - IntelliScan providing deeper insights into each technology.
- **Automated Assessment Creation:**
 - Quizzes on technology, global trends, challenges, and success stories.
 - Upcoming quizzes on renewable energy projects and innovations.
- **AI-Generated Universal Skill Simulator (3D assessment):**
 - Simulations on setting up and maintaining renewable energy installations.
 - AI-driven animations on renewable energy technologies.
- **Interactive Simulation Scenarios (add-on module):**
 - Real-world scenarios like setting up a solar farm, wind turbine installations, etc.

- Customized simulations on the economic and environmental impact of renewable sources.
- **Incident Simulation (add-on module):**
 - Incidents like system breakdowns, maintenance challenges using the Knowledge Portal.
 - User assessment on system repair, troubleshooting, and maintenance.

Climate Change Negotiation and Policy

An in-depth course on the global climate change scenario, negotiations, policy-making, and their impacts, using the interactive features of the EON AI Assistant.

- **Knowledge Portal with Floating Annotations:**
 - Hero image of the earth, depicting climate change effects.
 - 10 Knowledge Portals covering:
 - History of Climate Change.
 - Major Climate Change Agreements.
 - Role of Nations in Climate Change.
 - Mitigation and Adaptation.
 - Climate Justice.
 - The AI Avatar offers an overview of global efforts, challenges, and the way forward.
- **3-D Model Integration:**
 - 3-D models showcasing the earth's changing climate, affected regions, and policy implementations.
 - Editing options to visualize climate change impacts in different scenarios.
 - Importable models to delve deeper into specific climate change incidents and solutions.
- **Annotations for the 3-D model:**
 - Annotations providing details on climate change science, global negotiations, and policy impacts.
 - IntelliScan insights into real-world climate change effects and mitigation strategies.
- **Automated Assessment Creation:**
 - Quizzes on global agreements, climate science, and policy impacts.
 - Future quizzes on climate change innovations, challenges, and global collaboration.

- **AI-Generated Universal Skill Simulator (3D assessment):**
 - Simulations on global climate change negotiations and policy development.
 - AI-aided animations on climate change adaptation and mitigation strategies.
- **Interactive Simulation Scenarios (add-on module):**
 - Real-world scenarios of climate change impacts and global policy responses.
 - Personalized simulations on climate change mitigation in different regions.
- **Incident Simulation (add-on module):**
 - Climate change-related incidents like rising sea levels, forest fires using the Knowledge Portal.
 - User assessments on global responses and policy effectiveness.

Earth Systems

Oceanography Visualization

Dive deep into the mysteries of the ocean with the Oceanography Visualization course. Leveraging EON's advanced AI Assistant, this course transforms complex oceanographic concepts into immersive augmented and virtual reality experiences.

Features:

- **Knowledge Portal with Floating Annotations:**
 - Explore the depths with a captivating hero image of the ocean's diverse ecosystem.
 - Access 10 distinct knowledge portals showcasing marine life, underwater terrains, and oceanic phenomena, complemented with rich images, descriptive text, videos, and an interactive AI Avatar elucidating the intricacies of the marine world.
- **3-D Model Integration:**
 - Engage with 3-D models of marine creatures, coral reefs, and oceanic instruments.
 - An illustrative example includes a 3-D representation of the Great Barrier Reef.
 - In the absence of certain models, detailed oceanographic images serve as placeholders.
- **Assessment Creation:**
 - Test your knowledge with quizzes like 'Identify the Marine Species' and 'Ocean Currents Jeopardy'.
- **AI Generated Universal Skill Simulator:**
 - Understand tides, currents, and marine life behaviors through 3-D animations.

- Visualize complex oceanographic processes with the guidance of an AI avatar.
- **Interactive Simulation Scenarios:**
 - Experience real-life marine scenarios, from deep-sea diving to underwater volcanic eruptions.
 - Create custom oceanic simulations for a tailored learning experience.
- **Incident Simulation:**
 - Learn about marine incidents and their impact on the ecosystem.
 - Assess your problem-solving abilities in hypothetical oceanic crises.

Advanced Remote Sensing Techniques

Dive deep into the world of Advanced Remote Sensing Techniques with our comprehensive course. Utilize the cutting-edge EON AI Assistant platform to engage with complex concepts like never before. Experience augmented and virtual reality, explore 3D models, and test your knowledge through diverse assessment tools.

Knowledge Portal with Floating Annotations:

- Hero Image: A satellite capturing images of the Earth's surface.
- Engage with 10 knowledge portals featuring high-resolution images of satellite types, sensing mechanisms, and analysis techniques.
- Watch videos detailing the history and evolution of remote sensing.
- An AI Avatar will guide you through the different satellite orbits, types of remote sensors, and their applications.

3-D Model Integration:

- Interact with a 3-D model of a satellite and its internal components.
- Explore sensing mechanisms in detailed 3-D, from EON's extensive library.
- For specialized sensors not in the default library, illustrative images serve as placeholders.

Annotations for the 3-D Model:

- Discover auto-generated annotations on satellite parts and their functions.
- Come 2024, utilize the IntelliScan feature for detailed insights into satellite imagery.

Assessment Creation:

- Test your knowledge with quizzes focusing on satellite types, their orbits, and the basics of remote sensing.
- Challenge yourself with identify and locate quizzes on specific sensing mechanisms.

AI Generated Universal Skill Simulator:

- Learn about standard procedures for satellite image processing.
- Watch 3-D animations on image analysis techniques guided by an AI avatar.

- Try your hand at image processing scenarios and receive AI-driven feedback.

Interactive Simulation Scenarios:

- Participate in real-life scenarios of remote sensing applications.
- Simulate disaster management and agricultural monitoring scenarios using Eon Interact.

Incident Simulation:

- Understand real-world challenges in remote sensing.
- Engage with scenarios like satellite malfunctions and troubleshoot them using the Knowledge Portal.

Natural Resource Exploration Techniques

Embark on a journey to uncover the secrets of the Earth with our Natural Resource Exploration Techniques course. Harness the power of the EON AI Assistant to delve deep beneath the Earth's surface, understand resource extraction methods, and familiarize yourself with the latest tools in resource exploration.

Knowledge Portal with Floating Annotations:

- Hero Image: A picturesque landscape depicting rich mineral deposits and oil reservoirs.
- Explore 10 knowledge portals detailing various exploration techniques like seismic, magnetic, and gravity methods.
- Engage with videos explaining the science behind each exploration technique.
- An AI Avatar will elucidate the geology and physics underlying resource exploration.

3-D Model Integration:

- Experience a detailed 3-D model of the Earth's crust and its mineral-rich layers.
- Delve into tools like geophones and magnetometers from EON's library.
- Alternative images elucidate techniques not represented as 3D models.

Annotations for the 3-D Model:

- Uncover auto-generated annotations on geological layers and exploration tools.
- Utilize the forthcoming IntelliScan feature for a deeper understanding of geological formations.

Assessment Creation:

- Assess your grasp on geological formations and exploration methods through interactive quizzes.
- Challenge yourself with quizzes on locating mineral deposits and identifying exploration tools.

AI Generated Universal Skill Simulator:

- Familiarize yourself with standard procedures in seismic exploration.
- Experience 3-D animations demonstrating the extraction of natural resources, guided by an AI avatar.

Interactive Simulation Scenarios:

- Engage in real-life scenarios like setting up an exploration site or interpreting seismic data.
- Design your exploration scenarios using Eon Interact.

Incident Simulation:

- Navigate challenges faced during resource exploration.
- Simulate scenarios like equipment malfunctions and strategize solutions with the Knowledge Portal.

Graduate School of Education

Teaching and Curriculum

Classroom Management Simulation

Harness the power of EON Reality's AI platform to delve deep into the intricacies of Classroom Management. Through augmented and virtual reality experiences, learn how to effectively manage a classroom, handle disruptions, and ensure a conducive learning environment.

Features:

- **Knowledge Portal with Floating Annotations:** Explore a virtual classroom setup, with a hero image detailing classroom layouts and best practices. Floating Knowledge Portals will provide insights into:
 - Effective classroom seating arrangements.
 - Classroom tools and equipment.
 - Classroom protocols and rules.
- **3-D Model Integration:** Engage with 3-D models of classroom setups, classroom equipment, and various student avatars to understand the dynamics of classroom management.
- **Annotations for the 3-D model:** Interactive annotations on classroom equipment and tools, detailing their use and maintenance.
- **Automated Assessment Creation:** Test your classroom management skills through various quizzes, including scenario-based questions and best response quizzes.

- **AI-Generated Universal Skill Simulator (3D assessment):** Simulate classroom scenarios to practice and refine your classroom management techniques. Experience real-time feedback from an AI avatar.
- **Interactive Simulation Scenarios:** Handle real-life classroom scenarios, from managing disruptive students to effective use of teaching aids, ensuring a smooth teaching experience.
- **Incident Simulation:** Dive into specific classroom incidents and understand how to handle them effectively and professionally.

Special Education Techniques

Harness the power of EON AI Assistant to delve deep into the world of special education techniques. This course integrates cutting-edge technology to provide a holistic understanding of methods, strategies, and tools required to address the unique learning needs of individuals.

Knowledge Portal with Floating Annotations:

- Observe a hero image representing the essence of special education techniques.
- Engage with 10 floating Knowledge Portals offering:
 - Relevant images depicting various special education setups and tools.
 - Comprehensive text elaborating on special education strategies.
 - Videos showcasing real-life scenarios in special education.
 - An AI Avatar guiding and explaining the nuances of special education techniques.

3-D Model Integration:

- Explore 3-D models from diverse special education scenarios.
- Interact with illustrative examples such as tactile teaching tools.
- Discover personalized CAD models or scan real-life 3-D objects used in special education.

Annotations for the 3-D model:

- Understand each teaching tool with auto-generated floating annotations.
- Benefit from the IntelliScan feature for image recognition-based annotations, providing deeper insights.

Automated Assessment Creation:

- Test your knowledge with quizzes like:
 - Identify specific special education techniques.
 - Jeopardy-style quizzes focusing on historical and contemporary methods.

AI-Generated Universal Skill Simulator (3D assessment):

- Immerse in top five special education strategies showcased through 3-D animations.
- Learn and demonstrate various teaching techniques with AI assessment.

Interactive Simulation Scenarios:

- Experience real-world scenarios in special education.
- Create personal simulations using Eon Interact to test different strategies.

Incident Simulation:

- Explore challenging scenarios in special education and devise solutions.
- Evaluate your response to these incidents.

Experiential Learning Strategies

Utilize the capabilities of the EON AI Assistant to understand and implement experiential learning strategies. This course integrates advanced technological tools to provide an in-depth exploration of hands-on, real-world learning experiences.

Knowledge Portal with Floating Annotations:

- Engage with a hero image showcasing the core of experiential learning.
- Interact with 10 floating Knowledge Portals offering:
 - Images from real-world experiential learning setups.
 - Detailed text on experiential learning theories and models.
 - Videos of experiential learning in action.
 - An AI Avatar breaking down the principles of experiential learning.

3-D Model Integration:

- Interact with 3-D models representing experiential learning environments.
- Engage with illustrative examples, such as a hands-on science experiment.
- Option to import real-world experiential learning tools for a closer look.

Annotations for the 3-D model:

- Understand each experiential learning tool with auto-generated floating annotations.
- Benefit from the IntelliScan feature, which offers image recognition-based annotations.

Automated Assessment Creation:

- Test your grasp on experiential learning with various quizzes:
 - Identify specific learning strategies.
 - Jeopardy-style quizzes on experiential learning pioneers and concepts.

AI-Generated Universal Skill Simulator (3D assessment):

- Delve into the top five experiential learning strategies using 3-D animations.
- Learn and simulate hands-on learning experiences with AI feedback.

Interactive Simulation Scenarios:

- Engage in real-world experiential learning scenarios.
- Create personal simulations using Eon Interact to replicate diverse learning environments.

Incident Simulation:

- Navigate complex situations in experiential learning environments.
- Assess your problem-solving skills in these scenarios.

Education Policy and Leadership

Educational Leadership Dynamics

Dive deep into the realm of educational leadership dynamics with the EON AI Assistant. Engage with interactive 3-D models, AI-driven simulations, and comprehensive assessments to master the art and science of effective leadership in educational settings.

Knowledge Portal with Floating Annotations:

- Engage with a hero image showcasing an educational leadership meeting in progress.
- Access 10 knowledge portals detailing key leadership techniques, principles of decision-making, team dynamics, and more.
- Immerse yourself in images, texts, videos, and a friendly AI avatar guiding you through the intricacies of educational leadership.

3-D Model Integration:

- Interact with 3-D models representing hierarchical structures in educational institutions.
- Visualize leadership dynamics through illustrative examples like a 3-D model of a school board meeting.
- Personalize your experience by importing your own models or images.

Annotations for the 3-D Model:

- Delve into annotated 3-D models detailing leadership roles, responsibilities, and impact.
- Benefit from the IntelliScan feature launching in Q1 2024 for deeper insights into the model.

Assessment Creation:

- Test your understanding through quizzes on leadership principles, decision-making techniques, and more.
- Engage with diverse quiz types from matching leadership styles to situational questions.

AI Generated Universal Skill Simulator:

- Master educational leadership dynamics through AI-guided 3-D simulations.
- Practice real-world scenarios, such as managing a school crisis or leading a faculty meeting, with feedback from the AI avatar.

Interactive Simulation Scenarios:

- Simulate critical leadership moments, from strategic planning sessions to community town halls, and respond in real-time.
- Create custom simulations tailored to specific leadership challenges you wish to explore.

Incident Simulation:

- Train for unexpected incidents in educational leadership using AI-driven scenarios.
- Evaluate your decision-making and leadership responses in various simulations.

School Community Engagement and Outreach

Embark on a comprehensive journey of school community engagement and outreach with the EON AI Assistant. From 3-D models to AI-simulations, gain a robust understanding of the strategies and techniques to connect schools effectively with their communities.

Knowledge Portal with Floating Annotations:

- Engage with a hero image showcasing a community school event.
- Access 10 knowledge portals diving deep into the strategies, methods, and benefits of community engagement and outreach.
- View images, texts, videos, and a helpful AI avatar elucidating the importance of bridging schools with their communities.

3-D Model Integration:

- Interact with 3-D models that depict various community engagement settings, such as PTA meetings or school fairs.
- Visualize school-community dynamics with illustrative models like a 3-D representation of a community workshop.

Annotations for the 3-D Model:

- Delve into models detailing community demographics, school outreach programs, and engagement metrics.
- Enhance your understanding with the upcoming IntelliScan feature in Q1 2024.

Assessment Creation:

- Evaluate your grasp of community engagement strategies through diverse quizzes.
- Challenge yourself with scenarios, matching outreach programs to community needs, and more.

AI Generated Universal Skill Simulator:

- Master the nuances of school community engagement through guided 3-D simulations.
- Practice orchestrating community events, garnering parent involvement, and more with real-time feedback.

Interactive Simulation Scenarios:

- Role-play in critical outreach scenarios, from community feedback sessions to school open houses.
- Craft simulations specific to the engagement challenges you're keen on navigating.

Incident Simulation:

- Train for unexpected challenges in community outreach using AI-curated scenarios.
- Assess your adaptability and community liaison skills in diverse situations.

Counseling and Guidance Techniques

Enhance your skills in counseling and guidance with the EON AI Assistant. Engage with in-depth 3-D models, immersive AI simulations, and holistic assessments to master the art of effective therapeutic counseling.

Knowledge Portal with Floating Annotations:

- Begin with a hero image portraying a counselor in a session with a student.
- Access 10 knowledge portals elucidating various counseling theories, techniques, and ethical considerations.
- Immerse in images, texts, videos, and an AI avatar detailing the nuances of effective counseling.

3-D Model Integration:

- Engage with 3-D models of counseling settings, showing various dynamics between counselor and client.
- Understand counseling techniques through models like a 3-D representation of a group therapy session.

Annotations for the 3-D Model:

- Deepen your insights with annotated models explaining counseling methodologies, tools, and client responses.
- Anticipate enhanced annotations with the IntelliScan feature in Q1 2024.

Assessment Creation:

- Test your proficiency in counseling techniques through a range of quizzes.
- Explore scenario-based questions, matching therapies to client needs, and more.

AI Generated Universal Skill Simulator:

- Perfect your counseling techniques with AI-guided 3-D simulations.
- Experience counseling scenarios, from managing a crisis to facilitating therapeutic breakthroughs, and receive AI feedback.

Interactive Simulation Scenarios:

- Role-play in pivotal counseling moments, navigating client challenges, and utilizing different therapeutic techniques.
- Design simulations focusing on specific counseling situations you want to master.

Incident Simulation:

- Train for unforeseen challenges in the counseling domain with AI-driven scenarios.
- Refine your responsiveness and therapeutic acumen in various simulated incidents.

School of Engineering

General Engineering

Project Management and Team Dynamics

Harness the power of EON Reality's EON platform software package to delve deep into the intricacies of Project Management and Team Dynamics. This interactive course offers a blend of artificial intelligence, augmented, and virtual reality to transform traditional course materials into experiential, immersive learning modules.

- **Knowledge Portal with Floating Annotations:**
 - Experience a hero image of a model project management chart.
 - Navigate through 10 floating Knowledge Portals offering insights into various project management tools, team-building exercises, leadership qualities, and conflict resolution techniques.
 - An AI Avatar explains complex team dynamics concepts, Gantt charts, project lifecycles, and more.
- **3-D Model Integration:**
 - Interact with 3-D models of project flowcharts, team structures, and project timelines.
 - Dive deep into project management tools and techniques through illustrative 3-D models, and in case a default model isn't available, illustrative placeholders guide the learning.
- **Annotations for the 3-D model:**
 - Annotations detail key project management terminologies and dynamics principles.
 - IntelliScan will identify crucial nodes in a project management flowchart by Q1 2024.
- **Automated Assessment Creation:**
 - Engage in quizzes testing knowledge on project management tools, team roles, leadership skills, and more.
- **AI-Generated Universal Skill Simulator:**

- Simulate real-world scenarios of team meetings, conflict resolutions, and project management workflows.
- Watch 3-D animations of project lifecycles and team-building exercises.
- **Interactive Simulation Scenarios:**
 - Navigate scenarios where AI identifies real-life project mishaps and effective team dynamics.
 - Use Eon Interact to simulate team discussions and project management challenges.
- **Incident Simulation:**
 - Experience how project derailments occur and how effective team dynamics can resolve them.

Engineering Ethics Simulations

Using the innovative EON platform software package by EON Reality, embark on an ethical journey within the engineering field. This course combines AI, augmented reality, and virtual reality to offer a holistic understanding of engineering ethics.

- **Knowledge Portal with Floating Annotations:**
 - Commence with a hero image depicting an ethical dilemma in engineering.
 - Explore 10 floating Knowledge Portals delving into case studies, ethical principles, professional codes of conduct, and real-world ethical challenges.
 - An AI Avatar will elucidate complex ethical issues and scenarios faced in engineering.
- **3-D Model Integration:**
 - Engage with 3-D models showcasing ethical decision trees, consequences of breaches, and professional engineering environments.
 - Placeholder images will illustrate ethical challenges when default models are absent.
- **Annotations for the 3-D model:**
 - Annotations underline ethical terminologies and case study outcomes.
 - IntelliScan will identify breaches of ethical codes by Q1 2024.
- **Automated Assessment Creation:**
 - Undertake quizzes probing your knowledge on ethical dilemmas, decision-making, and professional standards.
- **AI-Generated Universal Skill Simulator:**
 - Experience AI-generated ethical scenarios in engineering.
 - Watch 3-D animations of ethical breaches and their ramifications.
- **Interactive Simulation Scenarios:**

- AI-powered scenarios showcase real-world ethical challenges in engineering.
- Simulate ethical decision-making processes using Eon Interact.
- **Incident Simulation:**
 - Encounter AI-driven simulations where ethical breaches occur and their subsequent consequences.

Client Relationships in Engineering Projects

Experience an advanced course on cultivating client relationships in engineering projects, powered by EON Reality's EON platform software package. Dive deep into client interactions, contract negotiations, and project expectations with a mix of AI, augmented, and virtual reality.

- **Knowledge Portal with Floating Annotations:**
 - Begin with a hero image of an engineer-client meeting.
 - Traverse 10 floating Knowledge Portals focusing on client communication, negotiation techniques, trust-building, and stakeholder management.
 - An AI Avatar simplifies client relationship management strategies, contract discussions, and project delivery expectations.
- **3-D Model Integration:**
 - Interact with 3-D models visualizing client meetings, project blueprints, and stakeholder feedback loops.
 - Placeholder visuals offer insights when specific models are not available.
- **Annotations for the 3-D model:**
 - Annotations spotlight client relationship terminologies, contract clauses, and stakeholder feedback.
 - IntelliScan feature identifies key components of successful client relationships by Q1 2024.
- **Automated Assessment Creation:**
 - Engage in quizzes to test your grasp on client communications, project expectations, and stakeholder feedback.
- **AI-Generated Universal Skill Simulator:**
 - Emulate client meetings, project updates, and feedback sessions through AI-powered simulations.
 - Witness 3-D animations detailing successful client-engineer interactions.
- **Interactive Simulation Scenarios:**
 - Navigate through AI-curated scenarios highlighting effective client communication, negotiation, and project deliveries.
 - Create client interactions simulations via Eon Interact.

- **Incident Simulation:**

- Engage with scenarios where communication breakdowns occur and learn how to effectively resolve them.

Mechanical Engineering

Fluid Dynamics Visualization

Fluid Dynamics Visualization dives deep into the principles and applications of fluid flow. Using augmented reality, students explore key concepts, visualize fluid behaviors around objects, and engage in interactive simulations. Real-world scenarios emphasize practical knowledge, ensuring holistic understanding.

Knowledge Portal with Floating Annotations:

- **Hero Image:** A dynamic visual of fluid flow highlighting laminar and turbulent flow regimes.
- **Floating Knowledge Portals:** Contains visualizations of fluid properties, Navier-Stokes equations, boundary layers, and more.
- **AI Avatar:** Explains fluid mechanics concepts, Bernoulli's principle, and real-world applications of fluid dynamics.

3-D Model Integration:

- **Model Source:** Detailed 3D models of fluid dynamics experimental setups, such as wind tunnels and water channels.
- **Illustrative Example:** A 3-D visualization of fluid flow around an object, like an airfoil, showcasing lift and drag phenomena.

Annotations for the 3-D Model:

- **Auto-annotations:** Highlight crucial areas like vortex shedding, flow separation, and critical points in fluid flow.
- **IntelliScan Feature:** Image recognition-based annotations highlighting specific fluid flow patterns.

Assessment Creation:

- **Standard Quizzes:** Covering principles of fluid dynamics, equations, and practical applications.
- **Jeopardy-style Quiz:** Engaging challenges on historical fluid dynamics experiments and famous scientists in the field.

AI Generated Universal Skill Simulator:

- Demonstrations on measuring flow rates, analyzing turbulence, and using equipment like Pitot tubes and Venturi meters.

Interactive Simulation Scenarios:

- **Real-life Scenarios:** Visualization of fluid flow in engineering systems, like hydraulic machinery and HVAC systems.
- **Eon Interact:** Users can experiment with fluid parameters and observe resultant behaviors.

Incident Simulation:

- **Incidents:** Potential problems like cavitation in pumps, and solutions for the same.

Thermodynamics Systems

Thermodynamics Systems offers a comprehensive understanding of energy conversion and heat transfer. Through augmented reality, students delve into the laws of thermodynamics, explore engine mechanics, and engage in simulations. Real-world scenarios further solidify concepts, ensuring a practical grasp on the subject.

Knowledge Portal with Floating Annotations:

- **Hero Image:** Carnot cycle diagram depicting energy flow.
- **Floating Knowledge Portals:** Visualizations of the laws of thermodynamics, heat engines, refrigerators, and entropy.
- **AI Avatar:** Explains energy conservation, heat transfer methods, and the significance of entropy.

3-D Model Integration:

- **Model Source:** Detailed 3D models of heat engines, refrigeration systems, and PV diagrams.
- **Illustrative Example:** A 3-D working model of a steam turbine, showcasing energy conversion processes.

Annotations for the 3-D Model:

- **Auto-annotations:** Highlight crucial components like pistons, compressors, and turbines.

- **IntelliScan Feature:** Image recognition-based annotations emphasizing thermodynamic cycles.

Assessment Creation:

- **Standard Quizzes:** Covering thermodynamic principles, cycles, and practical applications.
- **Jeopardy-style Quiz:** Engaging challenges based on famous thermodynamic experiments and innovations.

AI Generated Universal Skill Simulator:

- Demonstrations on conducting heat experiments, analyzing thermodynamic cycles, and calibrating thermometers.

Interactive Simulation Scenarios:

- **Real-life Scenarios:** Visualization of heat exchange in engines, HVAC systems, and refrigeration cycles.
- **Eon Interact:** Users can modify thermodynamic parameters to observe resultant system behaviors.

Incident Simulation:

- **Incidents:** Potential issues like overheating in engines or inefficiencies in refrigeration cycles, and troubleshooting solutions.

Structural Engineering and Design

Structural Engineering and Design immerses students in the world of buildings and bridges. With augmented reality, learners explore structural elements, design methodologies, and engage in interactive simulations. Real-world challenges reinforce practical application and innovative thinking in the field.

Knowledge Portal with Floating Annotations:

- **Hero Image:** A skyscraper standing tall, symbolizing architectural marvels.
- **Floating Knowledge Portals:** Visualizations of structural elements, load distribution, foundation designs, and more.
- **AI Avatar:** Explains the principles of structural stability, load-bearing, and modern design techniques.

3-D Model Integration:

- **Model Source:** Detailed 3D models of buildings, bridges, and civil engineering structures.
- **Illustrative Example:** A 3-D representation of a suspension bridge, showcasing load distribution and tension forces.

Annotations for the 3-D Model:

- **Auto-annotations:** Highlight crucial structural elements like beams, columns, trusses, and foundations.
- **IntelliScan Feature:** Image recognition-based annotations emphasizing structural design methodologies.

Assessment Creation:

- **Standard Quizzes:** Covering structural engineering concepts, material properties, and design principles.
- **Jeopardy-style Quiz:** Engaging challenges on iconic buildings, bridges, and structural engineering feats.

AI Generated Universal Skill Simulator:

- Demonstrations on analyzing structural integrity, stress-strain tests, and material selection processes.

Interactive Simulation Scenarios:

- **Real-life Scenarios:** Visualization of earthquake-resistant structures, wind dynamics on buildings, and foundation designs.
- **Eon Interact:** Users can modify structural elements to observe effects on overall stability.

Incident Simulation:

- **Incidents:** Potential issues like structural failures, cracks, and remedies for reinforcing structural integrity.

Electrical Engineering

Semiconductor Devices

Delve into the intricate world of semiconductor devices with the EON AI Assistant. This immersive course offers you the chance to study and interact with semiconductor components in augmented and virtual reality, providing a deeper understanding of their structures, operations, and applications.

Features:

- **Knowledge Portal with Floating Annotations:**
 - A detailed hero image showcasing a typical semiconductor device layout.
 - 10 floating Knowledge Portals featuring:
 - Images of semiconductor devices at various scales.
 - Comprehensive text descriptions of semiconductor physics and operations.
 - Videos demonstrating the manufacturing process of semiconductor devices.
 - An AI Avatar explaining the functionality, benefits, and challenges associated with semiconductors.
- **3-D Model Integration and Annotations:**
 - Engage with 3-D models of semiconductor devices, understanding their structural details.
 - Annotations detailing the different components of semiconductor devices, from diodes to transistors.
- **Assessment and Skill Simulator:**
 - Interactive quizzes and 3D assessments to test understanding of semiconductor principles.
 - Simulate processes like doping and etching, with AI guidance and feedback.
- **Interactive Simulation Scenarios and Incident Simulation:**
 - Real-world scenarios such as heat dissipation in semiconductors.
 - Incident simulations, such as the effects of voltage surges on semiconductor devices.

Microelectromechanical Systems (MEMS) Design

Explore the fascinating domain of MEMS Design. With the EON AI Assistant, this course lets you interact with MEMS components in a fully virtual environment, enhancing your grasp on their design, fabrication, and applications.

Features:

- **Knowledge Portal with Floating Annotations:**
 - A hero image displaying a MEMS device in operation.
 - 10 Knowledge Portals containing:
 - Images of MEMS structures.
 - Text detailing MEMS design principles and challenges.
 - Videos illustrating the microfabrication techniques of MEMS.
 - An AI Avatar discussing the diverse applications of MEMS in modern technology.
- **3-D Model Integration and Annotations:**
 - Detailed 3-D models of various MEMS designs.
 - Annotations outlining the components and materials used in MEMS.
- **Assessment and Skill Simulator:**
 - Engaging quizzes on MEMS principles.
 - Skill simulators focusing on MEMS fabrication and testing.
- **Interactive Simulation Scenarios and Incident Simulation:**
 - Scenarios like MEMS response to external stimuli.
 - Incident simulations on MEMS failures and troubleshooting.

Advanced Circuit Design

Step into the future of electronics with Advanced Circuit Design, brought to life by the EON AI Assistant. This course offers a rich interactive experience, detailing modern circuit design techniques and principles in augmented and virtual reality.

Features:

- **Knowledge Portal with Floating Annotations:**
 - A hero image of an advanced electronic circuit board.
 - 10 Knowledge Portals featuring:
 - Images of modern circuit layouts.
 - Text explaining advanced circuit design methodologies.
 - Videos of circuit simulations and testing.
 - An AI Avatar breaking down the complexities of modern electronic circuits.
- **3-D Model Integration and Annotations:**
 - Interactive 3-D models of advanced circuit layouts.
 - Annotations highlighting different circuit components and their functionalities.
- **Assessment and Skill Simulator:**
 - Quizzes on circuit design principles.

- Simulators allowing hands-on circuit design and testing.
- **Interactive Simulation Scenarios and Incident Simulation:**
 - Scenarios such as noise reduction in circuits.
 - Incident simulations detailing circuit failures and diagnostics.

Bioengineering

Biomedical Imaging

Dive deep into the world of biomedical imaging using augmented and virtual reality. This course, powered by the EON AI Assistant, brings the complex realm of medical imaging to life, enabling students to experience imaging techniques like MRI, CT, and Ultrasound in an interactive 3D environment.

Features:

- **Knowledge Portal with Floating Annotations:**
 - Display of real-world biomedical imaging cases.
 - Interactive 3D displays of MRI, CT, and Ultrasound scans.
 - Detailed annotations explaining each imaging modality, its uses, and significance.
 - AI Avatar delves into intricacies of imaging techniques and their applications.
- **3-D Model Integration:**
 - 3D models of the human anatomy related to specific imaging modalities.
 - Visualize how different imaging techniques capture distinct parts of the body.
- **Assessment Creation:**
 - Quizzes to test understanding of imaging techniques, anatomy, and their correlation.
 - Practical tests to identify organs and abnormalities from 3D scans.
- **AI Generated Universal Skill Simulator:**
 - Engage in 3D simulated imaging procedures.
 - Understand the standard operation procedures for each imaging modality.
 - AI avatar-guided demonstrations of proper imaging techniques.
- **Interactive Simulation Scenarios:**
 - Real-life scenarios demonstrating the importance and application of different imaging techniques.
 - Interactive case studies where students can apply their knowledge.
- **Incident Simulation:**

- AI-driven scenarios highlighting common pitfalls and errors in biomedical imaging.
- Assessment and feedback on student's decision-making skills in tricky imaging situations.

Biomechanics Visualization

Explore the dynamic field of biomechanics in a vivid 3D environment. Learn about the mechanical aspects of biological systems, from human motion to fluid dynamics in the cardiovascular system, using the EON AI Assistant.

Features:

- **Knowledge Portal with Floating Annotations:**
 - Visualize the human skeleton, muscles, and their movements.
 - AI Avatar explains the physics behind human motion, forces, and torques.
 - Animated annotations showcasing joint movements, force distributions, and more.
- **3-D Model Integration:**
 - Detailed 3D models of the human skeletal and muscular systems.
 - Interaction with these models to understand forces, levers, and mechanical advantages.
- **Assessment Creation:**
 - Quizzes on human anatomy, forces, and biomechanical principles.
 - Practical tests to determine forces and motions in given biomechanical scenarios.
- **AI Generated Universal Skill Simulator:**
 - Simulate human motion and understand the forces at play.
 - AI avatar-guided understanding of complex biomechanical movements.
- **Interactive Simulation Scenarios:**
 - Real-life scenarios, such as sports movements or rehabilitation exercises.
 - Students can analyze and provide biomechanical feedback on these scenarios.
- **Incident Simulation:**
 - AI-driven scenarios focusing on common biomechanical injuries.
 - Assessments on injury prevention and rehabilitation.

Molecular Engineering Simulations

Embark on a molecular journey, visualizing and understanding the engineering behind molecules. Using the EON AI Assistant, grasp the complexities of molecular structures, bonding, and applications in technology and medicine.

Features:

- **Knowledge Portal with Floating Annotations:**
 - Display intricate molecular structures in 3D.
 - AI Avatar elucidates molecular bonds, electron configurations, and applications.
 - Detailed annotations on molecular dynamics, interactions, and engineering applications.
- **3-D Model Integration:**
 - 3D models of complex molecular structures, including proteins, DNA, and synthetic molecules.
 - Visualize and interact with molecules to understand their design and functionality.
- **Assessment Creation:**
 - Quizzes on molecular theory, design, and engineering principles.
 - Practical tests on molecular design and simulations.
- **AI Generated Universal Skill Simulator:**
 - Engage in simulated molecular engineering tasks.
 - AI avatar-guided molecular design and synthesis demonstrations.
- **Interactive Simulation Scenarios:**
 - Real-world scenarios showcasing molecular engineering in pharmaceuticals, materials, and technology.
 - Design and test molecular structures in these scenarios.
- **Incident Simulation:**
 - AI-driven scenarios highlighting challenges and breakthroughs in molecular engineering.
 - Assessments on molecular problem-solving and innovative solutions.

Aeronautics and Astronautics

Jet Propulsion Visualization

Dive into the world of jet propulsion with a comprehensive visualization course. Leveraging the power of EON's AI Assistant, this course offers an immersive experience into the mechanics, science, and intricacies of jet propulsion systems.

Knowledge Portal with Floating Annotations:

- **Hero Image:** An impressive visualization of a jet engine in full throttle.
- **Floating Knowledge Portals:**
 - Images showcasing different parts of a jet engine.
 - Detailed text explaining the principles of jet propulsion.
 - Videos of jet engines in action.
 - An AI Avatar guides learners through the parts and processes of jet propulsion.

3-D Model Integration:

- Explore 3-D models of various jet engines sourced from EON's expansive library.
- Illustrative example: A 3-D model showcasing a turbofan engine.
- Users have the option to import personal CAD models of specific jet engines.

Annotations for the 3-D model:

- Annotations highlighting parts like the combustion chamber, turbine, and nozzle.
- Upcoming IntelliScan feature for automatic image recognition-based annotations.

Automated Assessment Creation:

- Quizzes on jet propulsion mechanics and principles.
- Jeopardy-style quiz on historical jet propulsion milestones.

AI-Generated Universal Skill Simulator (3D assessment):

- Experience standard jet propulsion procedures in 3-D animations guided by an AI avatar.
- Demonstrate jet engine maintenance procedures, with AI assessing performance.

Interactive Simulation Scenarios (add-on module):

- Real-life scenarios involving jet engine failures and troubleshooting.
- Option to create custom simulations of jet propulsion scenarios.

Incident Simulation (add-on module):

- AI avatar presents incidents related to jet engines, like engine flameouts.
- Users are assessed on their response and solution to these incidents.

Aerospace Dynamics Simulation

Navigate the complexities of aerospace dynamics. With EON's AI Assistant, students experience a hands-on journey, understanding the forces, movements, and principles governing flight.

Knowledge Portal with Floating Annotations:

- **Hero Image:** A soaring aircraft amidst the clouds.
- **Floating Knowledge Portals:**
 - Images of aircraft in various stages of flight.
 - Text detailing the science behind flight dynamics.
 - Videos of wind tunnel tests.
 - An AI Avatar explaining aerospace dynamics concepts.

3-D Model Integration:

- 3-D models of aircraft from different eras, sourced from EON's library.
- Illustrative example: A 3-D model of a supersonic jet.
- Users can add their CAD models, showcasing unique aircraft designs.

Annotations for the 3-D model:

- Annotations detailing parts like wings, tail fins, and fuselage.
- IntelliScan feature will provide automatic annotations in the future.

Automated Assessment Creation:

- Quizzes on aerodynamics, lift, drag, and thrust.
- Jeopardy-style quiz on milestones in aerospace engineering.

AI-Generated Universal Skill Simulator (3D assessment):

- Explore standard flight procedures and dynamics in 3-D animations.
- Learners showcase flight maneuver demonstrations with AI evaluations.

Interactive Simulation Scenarios (add-on module):

- Real-life scenarios like crosswind landings and stall recovery.
- Users can design custom aerospace scenarios for simulations.

Incident Simulation (add-on module):

- AI avatar presents incidents like sudden altitude drops.
- Users are assessed on managing and rectifying such incidents.

Spacecraft Design

Embark on a cosmic journey of spacecraft design. EON's AI Assistant facilitates an experiential learning adventure into the world of space exploration and vehicle design.

Knowledge Portal with Floating Annotations:

- **Hero Image:** A spacecraft orbiting a distant planet.
- **Floating Knowledge Portals:**
 - Images of iconic spacecraft throughout history.
 - Text detailing spacecraft design principles.
 - Videos of spacecraft launches and landings.
 - An AI Avatar guiding users through spacecraft design elements.

3-D Model Integration:

- 3-D models of renowned spacecraft, from satellites to interstellar probes.
- Illustrative example: A 3-D model of a space shuttle.
- Opportunity for users to import CAD models of novel spacecraft designs.

Annotations for the 3-D model:

- Annotations pointing out components like thrusters, cargo bays, and solar panels.
- Upcoming IntelliScan feature for enhanced automatic annotations.

Automated Assessment Creation:

- Quizzes on spacecraft design, propulsion, and life support systems.
- Jeopardy-style quiz on landmark moments in space exploration.

AI-Generated Universal Skill Simulator (3D assessment):

- Visualize standard spacecraft operations in 3-D, guided by an AI avatar.
- Learners demonstrate spacecraft docking procedures, with AI assessing accuracy.

Interactive Simulation Scenarios (add-on module):

- Scenarios like spacecraft docking, re-entry, and extravehicular activities.
- Users can simulate custom scenarios, such as Mars landings.

Incident Simulation (add-on module):

- AI avatar demonstrates incidents like system failures or space debris collisions.
- Users' problem-solving skills are assessed based on their solutions to these incidents.

School of Humanities and Sciences

Social Sciences

International Relations Negotiation

This course, leveraging the state-of-the-art EON AI Assistant, immerses learners in the intricate world of international relations, teaching negotiation techniques through augmented and virtual reality tools, offering hands-on experiences of diplomatic scenarios.

- **Knowledge Portal with Floating Annotations:** Engage with historical treaties, diplomatic correspondences, and notable negotiation transcripts. Explore:
 - Images of key negotiation venues and figures.
 - Texts detailing diplomatic protocols.
 - Videos of successful negotiations in history.
 - An AI Avatar guiding learners through international diplomatic etiquette.

- **3-D Model Integration:** Analyze a 3-D model of a United Nations conference room, showcasing the seating arrangements, acoustics, and technological tools aiding diplomatic negotiations. Personalize your learning by importing 3-D scans of diplomatic venues you're interested in.
- **Annotations for the 3-D model:** Navigate the nuances of diplomatic spaces with floating annotations detailing the importance of seating arrangements, podium placements, and more.
- **Automated Assessment Creation:** Test your understanding of international relations with quizzes like:
 - Identify key diplomats from history.
 - Locate important negotiation venues worldwide.
 - Standard dropdown menu quizzes on diplomatic etiquette.
- **AI-Generated Universal Skill Simulator:** Engage in virtual simulations of negotiations, guided by an AI avatar, teaching the art of diplomacy, body language, and the intricacies of international deal-making.
- **Interactive Simulation Scenarios:** Delve into real-world diplomatic crises and practice negotiation tactics in dynamic scenarios, with AI-guided feedback to hone your skills.
- **Incident Simulation:** Experience major diplomatic incidents from history and learn by navigating through them, assessing potential outcomes based on different diplomatic strategies.

Political Campaign Strategy Simulation

Dive deep into the world of political campaigns, understanding the strategies behind successful election runs using the cutting-edge EON AI Assistant, providing augmented and virtual reality simulations of real-world election scenarios.

- **Knowledge Portal with Floating Annotations:** Engage with:
 - Images of famous political rallies and events.
 - Texts detailing campaign strategies.
 - Videos of historic campaign speeches.
 - An AI Avatar explaining the impact and nuances of each campaign strategy.
- **3-D Model Integration:** Explore a 3-D model of a campaign headquarters, understanding the different divisions, from public relations to analytics. Import personal 3-D scans of campaign venues or stages to further your insights.
- **Annotations for the 3-D model:** Dive into the intricacies of a campaign office, understanding the importance of each section through detailed annotations.
- **Automated Assessment Creation:** Challenge your campaign strategy knowledge with:

- Identify key political figures.
- Locate major political events worldwide.
- Dropdown quizzes on campaign terminologies.
- **AI-Generated Universal Skill Simulator:** Virtually run a campaign event, from planning to execution, under the guidance of an AI avatar, refining your campaign management skills.
- **Interactive Simulation Scenarios:** Experience the highs and lows of a political campaign, strategizing and adapting to real-world challenges with AI-generated feedback.
- **Incident Simulation:** Relive significant campaign incidents, assessing and learning from the decisions made during those critical moments.

Journalism Interview Techniques

Master the art of journalistic interviews with the EON AI Assistant. Experience immersive augmented and virtual reality scenarios, simulating real-life interviews with key figures, helping refine your interviewing techniques.

- **Knowledge Portal with Floating Annotations:** Delve into:
 - Images of historic interviews and journalists.
 - Texts on interview techniques.
 - Videos showcasing iconic journalistic moments.
 - An AI Avatar guiding you through the ethics and techniques of journalism.
- **3-D Model Integration:** Navigate a 3-D model of a modern news studio, getting acquainted with the environment where major interviews take place. Customize your experience by importing 3-D scans of historical interview venues.
- **Annotations for the 3-D model:** Understand the role of every element in a news studio, from the interviewer's desk to the camera placements.
- **Automated Assessment Creation:** Test your journalistic knowledge with quizzes on:
 - Identifying influential journalists.
 - Locating important news studios worldwide.
 - Dropdown quizzes on journalistic ethics.
- **AI-Generated Universal Skill Simulator:** Conduct a virtual interview with a notable figure, guided by an AI avatar, focusing on refining your questioning techniques and understanding non-verbal cues.
- **Interactive Simulation Scenarios:** Simulate breaking news scenarios, practicing how to ask the right questions under pressure, with AI-generated feedback.
- **Incident Simulation:** Step into significant journalistic incidents, analyzing the decisions made by journalists during those critical moments, and understanding the implications of their actions.

Biology and Life Sciences

Human Anatomy and Physiology

Dive deep into the intricacies of human anatomy and physiology through the EON AI Assistant's immersive platform. Experience firsthand the wonders of the human body, explore its systems, and understand the physiological processes that keep us alive.

Knowledge Portal with Floating Annotations:

- **Hero Image:** A detailed cross-sectional view of the human body highlighting major systems.
- **Floating Knowledge Portals:**
 - Detailed images, videos, and texts of each system: circulatory, respiratory, nervous, and more.
 - AI Avatar explains the functionality, disorders, and interconnection of each system.

3-D Model Integration:

- High-resolution 3D models of organs, muscles, and bones.
- Realistic examples: A beating heart, inhaling lungs, or a signaling neuron.
- Option to upload personal medical scans or 3D anatomical models for deeper exploration.

Annotations for the 3-D Model:

- Organs, muscles, and bones labeled for educational reference.
- IntelliScan offers image recognition-based annotations for intricate parts like neuron synapses.
- Manual annotation option for specific academic or medical focus.

Assessment Creation:

- Multiple quizzes on organ functionalities, system interconnections, and physiological processes.
- Jeopardy-style quizzes on medical terminologies and body system trivia.
- Upcoming quizzes on disease identification, symptom matching, and more.

AI Generated Universal Skill Simulator:

- Demonstration of physiological processes like digestion, respiration, and neural signaling.
- 3-D animations show disease progression and effects on the body.
- Compare and contrast normal physiology with AI-assessed simulated disorders.

Interactive Simulation Scenarios:

- AI-driven scenarios on diagnosing ailments, understanding patient symptoms, and more.
- Simulate medical procedures or treatments using Eon Interact.

Incident Simulation:

- Real-life medical incidents, disease outbreak simulations, and emergency response training.
- AI-driven evaluations of the learner's response to these medical incidents.

Molecular Biology Techniques

Step into the microscopic world of molecular biology and master the techniques that drive modern research and discoveries. Learn about DNA, RNA, proteins, and the methods to study them using the EON AI Assistant.

Knowledge Portal with Floating Annotations:

- **Hero Image:** DNA double helix structure illuminated in its glory.
- **Floating Knowledge Portals:**
 - Videos of DNA replication, transcription, and translation.
 - AI Avatar breaks down complex molecular processes and techniques like PCR, gel electrophoresis, and cloning.

3-D Model Integration:

- 3D representations of molecular structures, chromosomes, and cells.
- Examples: DNA replication fork, tRNA structure, or a plasmid ring.
- Option to upload specific molecular structures or experimental results for analysis.

Annotations for the 3-D Model:

- Molecular structures annotated with nucleotide bases, protein sequences, and more.

- IntelliScan offers image recognition-based annotations for specific DNA sequences or protein structures.
- Manual annotation option for research-specific molecules or proteins.

Assessment Creation:

- Quizzes on molecular techniques, DNA sequencing, protein synthesis, and more.
- Jeopardy-style quizzes on molecular terminologies, famous discoveries, and research breakthroughs.
- Upcoming quizzes on genetic engineering, CRISPR techniques, and more.

AI Generated Universal Skill Simulator:

- Demonstration of molecular experiments like DNA extraction, protein purification, and RNA interference.
- 3-D animations guide through experimental procedures, from sample preparation to result analysis.
- AI-assessed performances on molecular experiments and data interpretation.

Interactive Simulation Scenarios:

- AI-driven scenarios on setting up molecular experiments, troubleshooting results, and more.
- Simulate lab procedures or experiment setups using Eon Interact.

Incident Simulation:

- Real-life lab incidents, equipment malfunctions, or experiment contaminations.
- AI-driven evaluations of the learner's response to these lab challenges.

Organic Chemistry Lab Simulations

Enter the realm of organic chemistry with the EON AI Assistant. Familiarize yourself with the world of carbon compounds, reactions, and synthesis techniques in a virtual lab environment.

Knowledge Portal with Floating Annotations:

- **Hero Image:** A dynamic chemical reaction showcasing the beauty of organic transformations.
- **Floating Knowledge Portals:**

- Detailed videos of organic reactions, mechanisms, and purification techniques.
- AI Avatar elucidates the principles of organic chemistry, from hydrocarbons to complex molecules.

3-D Model Integration:

- 3D models of organic molecules, reaction setups, and laboratory equipment.
- Examples: Benzene ring, distillation apparatus, or a chromatography column.
- Option to upload specific organic structures or experimental setups for detailed analysis.

Annotations for the 3-D Model:

- Organic molecules annotated with functional groups, chiral centers, and bonding patterns.
- IntelliScan for image recognition-based annotations on specific reaction mechanisms or molecule interactions.
- Manual annotation option for specific reaction pathways or research molecules.

Assessment Creation:

- Quizzes on organic synthesis, reaction mechanisms, functional group conversions, and more.
- Jeopardy-style quizzes on organic nomenclature, famous chemists, and groundbreaking discoveries.
- Upcoming quizzes on green chemistry, pharmaceutical synthesis, and more.

AI Generated Universal Skill Simulator:

- Demonstrations of organic reactions, from simple addition reactions to complex multi-step syntheses.
- 3-D animations guide through lab techniques like extraction, distillation, or crystallization.
- AI-assessed performances on reaction setups, yield calculations, and product identifications.

Interactive Simulation Scenarios:

- AI-driven scenarios on organic synthesis planning, product identification, and more.
- Simulate complex organic reactions or lab setups using Eon Interact.

Incident Simulation:

- Real-life lab incidents like chemical spills, incorrect product formation, or unexpected reactions.
- AI-driven evaluations of the learner's response to these organic challenges.

Physics and Astronomy

Advanced Optics Lab

Knowledge Portal with Floating Annotations:

- Explore the intricate world of optics through a captivating hero image showcasing a state-of-the-art optics laboratory setup.
- Dive deep into 10 floating knowledge portals that contain:
 - High-resolution images of optical instruments and setups.
 - Detailed text explaining advanced optical principles and techniques.
 - Instructional videos demonstrating complex experiments.
 - An AI avatar guiding you through the nuances of optics, explaining the workings of various instruments and experimental setups.

3-D Model Integration:

- Engage with detailed 3-D models of optical instruments sourced from EON's vast library, from lenses to interferometers.
- Witness the illustrative example of a high-precision optical bench setup in three dimensions.
- Benefit from the option to import a personal CAD model of specific optical setups or scan an actual instrument.

Annotations for the 3-D Model:

- Understand each part of the optical instrument with auto-generated floating annotations.
- Benefit from the IntelliScan feature that will recognize and annotate various components based on image recognition (available Q1 2024).
- Manually add your annotations to custom setups, tailoring the learning experience to your needs.

Assessment Creation Automatic:

- Test your understanding through varied quizzes, including:
 - Standard drop menu quizzes about optical principles.
 - Locate quizzes identifying parts of an optical setup.
 - Jeopardy style quizzes challenging your knowledge in a fun format.

AI Generated Universal Skill Simulator:

- Master optical setups through simulations of the top five standard operation procedures in an optics lab.
- Watch procedures transform into 3-D animations, where an AI avatar demonstrates and then assesses your performance in real-time.

Interactive Simulation Scenarios:

- Delve into real-life scenarios in optics, from light diffraction to wavefront analysis.
- Craft your simulation scenarios using Eon Interact to explore specific optical phenomena.

Incident Simulation:

- Confront challenging incidents in optics labs, such as misaligned setups or equipment malfunctions, presented by an AI avatar.
- Assess your troubleshooting skills in these critical incident simulations.

Quantum Mechanics Simulations

Dive deep into the quantum world with EON AI Assistant. Experience immersive simulations, interact with detailed 3D models, and challenge your understanding with comprehensive assessments. Unlock the mysteries of quantum mechanics like never before.

- **Knowledge Portal with Floating Annotations:**
 - **Hero Image:** Visual representation of quantum particles and their behavior.
 - **10 Floating Knowledge Portals** encompassing:
 - Images of famous quantum experiments.
 - Text on foundational quantum principles.
 - Videos of quantum mechanics phenomena in action.
 - AI Avatar explaining quantum mechanics concepts like superposition, entanglement, and quantum tunneling.
- **3-D Model Integration:**

- **3-D Models** from EON's library showcase quantum systems.
- **Illustrative Example:** 3-D model of Schrödinger's cat thought experiment.
- **Editing Options:** Personalize quantum models, and integrate scans of specific quantum systems.
- **Upcoming Features:** Convert quantum text theories into 3D visual representations in 2024.
- **Annotations for the 3-D Model:**
 - **Floating Annotations:** Detailed descriptions of quantum phenomena.
 - **IntelliScan:** Image recognition-based annotations for quantum models available from Q1 2024.
- **Assessment Creation:**
 - **Quizzes:** Test knowledge on quantum mechanics topics through various quizzes: standard drop menu, identify, locate, and more.
- **AI Generated Universal Skill Simulator:**
 - **Interactive Animations:** Visualize and interact with quantum phenomena guided by an AI avatar.
- **Interactive Simulation Scenarios:**
 - **AI Simulations:** Experience quantum mechanics in real-world scenarios.
- **Incident Simulation:**
 - **Incident Demonstrations:** Analyze and solve quantum-based problems presented by the AI avatar.

Astrophysics Visualizations

Embark on a cosmic journey with EON AI Assistant. From the birth and death of stars to the intricate dance of galaxies, immerse yourself in the wonders of the universe. Explore, interact, and learn about the vast expanse of space in this comprehensive astrophysics course.

- **Knowledge Portal with Floating Annotations:**
 - **Hero Image:** Captivating view of a galaxy or nebula.
 - **10 Floating Knowledge Portals** including:
 - Images of celestial events and objects.
 - Text detailing astrophysical theories and observations.
 - Videos of space phenomena.
 - AI Avatar explaining concepts like black holes, supernovae, and dark matter.
- **3-D Model Integration:**
 - **3-D Models:** Explore celestial bodies and phenomena from EON's library.
 - **Illustrative Example:** A 3-D visualization of a supernova explosion.
 - **Editing Options:** Customize celestial models, integrating scans of particular astronomical observations.

- **Upcoming Features:** Convert astrophysical text to 3D space visualizations in 2024.
- **Annotations for the 3-D Model:**
 - **Floating Annotations:** Elaborate on celestial bodies and space events.
 - **IntelliScan:** Image recognition-based annotations for celestial models starting Q1 2024.
- **Assessment Creation:**
 - **Quizzes:** Assess knowledge on astrophysical subjects through various quizzes.
- **AI Generated Universal Skill Simulator:**
 - **Interactive Animations:** Traverse the universe and experience celestial events guided by an AI avatar.
- **Interactive Simulation Scenarios:**
 - **AI Simulations:** Engage with real-life space scenarios.
- **Incident Simulation:**
 - **Incident Demonstrations:** Investigate astrophysical occurrences and challenges presented by the AI avatar.

Arts and Literature

Art History Visualizations

Dive deep into the world of art history with augmented and virtual reality experiences. Engage with masterpieces in unparalleled detail, explore artistic movements, and understand the context behind renowned artworks through immersive 3D visualizations.

Features:

Knowledge Portal with Floating Annotations:

- Experience famous artworks with a hero image, providing a detailed view.
- 10 floating Knowledge Portals presenting different art movements or iconic pieces:
 - Images showcasing artwork details.
 - Text explaining art movements and historical context.
 - Videos offering virtual tours of art museums or expert analyses.
 - An AI Avatar guiding you through art epochs and explaining intricate art details.

3-D Model Integration:

- Explore 3D replicas of iconic sculptures from EON's vast library.
- If a specific artwork or artifact isn't available, a high-quality image will serve as a placeholder.

Annotations for the 3-D Model:

- Each artwork or artifact has annotations, highlighting significant features or historical context.
- Upcoming IntelliScan will provide deeper insights based on image recognition.

Assessment Creation Automatic:

- Assessments to test knowledge on art periods, influential artists, and notable artworks.

AI Generated Universal Skill Simulator (3D assessment):

- Experience art techniques like fresco painting or sculpture carving in 3D simulations.
- An AI avatar guides learners through these artistic processes, allowing them to virtually try these techniques.

Interactive Simulation Scenarios (add-on module):

- Walk through pivotal moments in art history, experiencing them firsthand.

Incident Simulation (add-on module):

- Participate in key historical incidents that shaped art movements, understanding their impact firsthand.

Literary Scene Reenactments

Immerse yourself in the world of classic literature. Relive iconic scenes, understand characters' motivations, and visualize literary settings through augmented and virtual reality experiences.

Features:

Knowledge Portal with Floating Annotations:

- Relive iconic literary scenes with a hero image depicting key moments.
- 10 floating Knowledge Portals presenting different literary epochs or masterpieces:
 - Images of prominent scenes or character portrayals.
 - Text detailing plotlines and character development.
 - Videos of expert analyses or scene dramatizations.
 - An AI Avatar narrating the storyline and analyzing plot intricacies.

3-D Model Integration:

- Step into detailed 3D settings of famous novels or plays.
- If a specific scene isn't available, a high-quality image will serve as a placeholder.

Annotations for the 3-D Model:

- Annotations that delve into literary elements such as symbolism, foreshadowing, and thematic motifs.

Assessment Creation Automatic:

- Assessments to test understanding of literary themes, character arcs, and plot developments.

AI Generated Universal Skill Simulator (3D assessment):

- Simulate iconic scenes and character interactions in a 3D environment.
- The AI avatar assists learners in reenacting scenes or interpreting character emotions.

Interactive Simulation Scenarios (add-on module):

- Engage in literary scenarios, making choices that influence the plot.

Incident Simulation (add-on module):

- Experience turning points in classic stories and understand their ramifications.

Music Composition and Arrangement Simulations

Delve into the art of music composition and arrangement. Understand music theories, compose melodies, and arrange harmonies through augmented and virtual reality simulations.

Features:

Knowledge Portal with Floating Annotations:

- Engage with music scores and compositions using a hero image.
- 10 floating Knowledge Portals focusing on different musical eras or techniques:
 - Images of instruments or scores.
 - Text explaining music theories or composition techniques.
 - Videos of orchestra performances or composer interviews.
 - An AI Avatar guiding learners through musical concepts and composition techniques.

3-D Model Integration:

- Explore 3D models of musical instruments, understanding their mechanics and sound production.
- If a specific instrument isn't available, a high-quality image will serve as a placeholder.

Annotations for the 3-D Model:

- Annotations detailing instrument techniques, scales, or chord progressions.

Assessment Creation Automatic:

- Assessments to evaluate understanding of musical theories, rhythm patterns, and composition techniques.

AI Generated Universal Skill Simulator (3D assessment):

- Simulate music composition processes, from melody creation to harmony arrangement.
- The AI avatar assists learners in understanding and applying musical concepts.

Interactive Simulation Scenarios (add-on module):

- Engage in musical scenarios, such as orchestrating a piece or tuning an instrument.

Incident Simulation (add-on module):

- Experience key developments in music history, understanding their significance in shaping genres.

Law School

Legal Skills and Techniques

Legal Negotiation and Settlements

Delve deep into the world of legal negotiations and settlements. Experience real-life negotiation scenarios, understand key tactics, and interact with AI avatars to master the art. With immersive 3D environments, custom scenarios, and real-time assessments, enhance your negotiation skills and be courtroom-ready.

Knowledge Portal with Floating Annotations:

- **Hero Image:** An interactive courtroom backdrop to set the theme.
- **10 Floating Knowledge Portals:**
 - Real-life negotiation scenarios.
 - Key negotiation tactics.
 - Legal terminologies and jargon.
 - Case studies of successful and unsuccessful legal negotiations.
 - Videos demonstrating negotiation techniques.
 - AI Avatar: A seasoned lawyer explaining the nuances of negotiation and offering real-time feedback.

3-D Model Integration:

- **Interactive Courtroom Setting:** Experience a lifelike legal environment.
- **Illustrative Example:** A 3-D model of a negotiation table with parties discussing a settlement.
- **Editing Option:** Customizable negotiation scenarios.
- **Personal Import Option:** Upload real case files for scenario-based learning.

Annotations for the 3-D Model:

- Annotations detailing each stage of the negotiation process.
- IntelliScan to identify different roles during negotiations.

- Manual annotations for user-added scenarios.

Assessment Creation:

- **Quizzes:** Test understanding of negotiation strategies, legal protocols, and more.
- **Future Quizzes:** Evaluate understanding of diverse case studies.

AI Generated Universal Skill Simulator:

- **Negotiation Simulations:** AI-guided practice sessions.
- Real-time feedback based on learner's negotiation tactics.

Interactive Simulation Scenarios:

- Simulate legal negotiations using 3-D courtroom settings.
- Eon Interact allows user-generated negotiation scenarios.

Incident Simulation:

- Simulate unexpected challenges in negotiations.
- Assess user's adaptability and decision-making in unforeseen situations.

Trial Advocacy Simulations

Step into the world of trial advocacy. Engage in comprehensive simulations, understand the intricacies of trial procedures, and receive guidance from seasoned AI avatars. The course equips you with advocacy techniques, evidence presentation strategies, and much more, ensuring you're trial-ready.

Knowledge Portal with Floating Annotations:

- **Hero Image:** A bustling courtroom, symbolizing trial advocacy.
- **10 Floating Knowledge Portals:**
 - Steps in trial preparation.
 - Examination and cross-examination techniques.
 - Effective opening and closing statements.
 - Evidence presentation strategies.
 - AI Avatar: An experienced advocate explaining courtroom etiquettes and techniques.

3-D Model Integration:

- **Interactive Courtroom:** A complete 3-D courtroom setup.
- **Illustrative Example:** A 3-D model of a witness stand, showcasing examination techniques.

Annotations for the 3-D Model:

- Annotations explaining courtroom protocol and advocacy techniques.
- IntelliScan recognizing different courtroom sections.
- Manual annotations for unique trial scenarios.

Assessment Creation:

- **Quizzes:** On trial procedures, advocacy strategies, and more.
- **Future Quizzes:** Delve deeper into advocacy nuances.

AI Generated Universal Skill Simulator:

- **Trial Simulations:** Practice trial advocacy with AI guidance.
- Real-time feedback on advocacy skills.

Interactive Simulation Scenarios:

- Engage in full-fledged trial simulations.
- Eon Interact allows user-generated trial scenarios.

Incident Simulation:

- Simulate unexpected trial incidents.
- Test decision-making skills in high-pressure scenarios.

Mediation and Dispute Resolution

Immerse yourself in the world of mediation and dispute resolution. Learn the principles, engage in realistic simulations, and be guided by expert AI avatars. The course focuses on effective communication, psychological tools, and practical strategies, ensuring you become a proficient mediator.

Knowledge Portal with Floating Annotations:

- **Hero Image:** A peaceful mediation room setting the stage for dispute resolution.
- **10 Floating Knowledge Portals:**
 - Steps in the mediation process.

- Effective communication techniques.
- Psychological tools for mediation.
- Real-world mediation case studies.
- AI Avatar: A professional mediator guiding through the resolution process.

3-D Model Integration:

- **Interactive Mediation Room:** Experience realistic mediation settings.
- **Illustrative Example:** A 3-D model of two parties engaging in mediation.

Annotations for the 3-D Model:

- Annotations on mediation strategies and communication tactics.
- IntelliScan to identify non-verbal cues.
- Manual annotations for different dispute scenarios.

Assessment Creation:

- **Quizzes:** Test understanding of mediation principles, strategies, and more.
- **Future Quizzes:** Evaluate complex dispute scenarios.

AI Generated Universal Skill Simulator:

- **Mediation Simulations:** Engage in AI-guided mediation sessions.
- Feedback based on the resolution achieved.

Interactive Simulation Scenarios:

- Simulate mediation and dispute resolution scenarios.
- Eon Interact allows user-created mediation sessions.

Incident Simulation:

- Simulate unexpected challenges during mediation.
- Assess the user's conflict resolution skills.

Corporate and International Law

Corporate Law Boardroom Dynamics

Delve deep into the intricate world of Corporate Law Boardroom Dynamics with this immersive course. EON AI Assistant brings to you a unique blend of virtual reality and augmented reality, allowing students to virtually step into a boardroom, understand its dynamics, and effectively apply the principles of corporate law.

Features:

- **Knowledge Portal with Floating Annotations:**
 - Display hero images of renowned boardrooms from around the world.
 - 10 Knowledge Portals provide insights into:
 - Key boardroom players.
 - Dynamics and roles.
 - Typical boardroom challenges and their legal implications.
 - AI Avatar-led sessions on decision-making and corporate governance.
- **3-D Model Integration:**
 - 3-D model of a corporate boardroom, allowing students to virtually navigate the space.
 - Detailed models of documents, contracts, and corporate structures.
 - Upcoming: Text-to-3D conversion of boardroom scenarios (expected in 2024).
- **Annotations & Assessment:**
 - Interactive quizzes on corporate decision-making, ethics, and compliance.
 - AI-driven simulations assessing your knowledge on boardroom dynamics.
- **Interactive Simulation Scenarios:**
 - Real-world corporate challenges simulated in 3-D, from mergers to ethical dilemmas.
 - Eon Interact provides tools to create and analyze corporate scenarios.
- **Incident Simulation:**
 - Deep dive into corporate incidents with AI Avatar, exploring their implications and resolutions.
 - Hands-on experience in resolving corporate disputes.

International Law Negotiation

Harness the power of EON AI Assistant to master the nuances of International Law Negotiation. Engage with realistic simulations, understand diverse cultural and legal landscapes, and emerge as a proficient negotiator in the international arena.

Features:

- **Knowledge Portal with Floating Annotations:**
 - Images showcasing renowned international negotiation events.
 - 10 Knowledge Portals detailing:
 - Principles of international law.
 - Cultural considerations in negotiations.
 - AI Avatar explanations on negotiation tactics and strategies.
- **3-D Model Integration:**
 - Detailed 3-D models of international negotiation tables and environments.
 - Visualization of legal documents and treaties.
 - Upcoming: Conversion of negotiation case studies into 3-D scenarios.
- **Annotations & Assessment:**
 - Quizzes on international treaties, negotiation techniques, and cultural awareness.
 - AI-driven assessment on negotiation skills and tactics.
- **Interactive Simulation Scenarios:**
 - Real-world international negotiation simulations.
 - Eon Interact tools for creating custom negotiation scenarios.
- **Incident Simulation:**
 - AI Avatar-led breakdowns of historic international disputes and their resolutions.
 - Analyze negotiation outcomes and strategies.

Intellectual Property Law Scenarios

Embark on an enlightening journey into the realm of Intellectual Property Law with EON AI Assistant. Understand patents, trademarks, and copyrights in-depth, and simulate real-world IP disputes to hone your skills.

Features:

- **Knowledge Portal with Floating Annotations:**
 - Hero images of iconic intellectual properties.
 - 10 Knowledge Portals offering insights into:
 - Basics of intellectual property.

- Differences between patents, trademarks, and copyrights.
 - AI Avatar-guided sessions on IP disputes and resolutions.
- **3-D Model Integration:**
 - 3-D models of patented inventions, trademarks, and copyrighted works.
 - Visualization of IP documents and legal procedures.
 - Upcoming: Conversion of iconic IP cases into 3-D scenarios.
- **Annotations & Assessment:**
 - Interactive quizzes on IP rights, infringement, and remedies.
 - AI-assisted evaluations on IP case analyses.
- **Interactive Simulation Scenarios:**
 - Real-world IP disputes simulated in 3-D.
 - Eon Interact toolkit for creating custom IP scenarios.
- **Incident Simulation:**
 - Dive into historic IP disputes with AI Avatar, understanding their intricacies.
 - Engage in hands-on resolutions of IP disputes.

School of Medicine

Clinical Medicine

Surgical Techniques

This course offers an immersive experience in surgical techniques using the EON AI Assistant. Dive into detailed 3-D models, videos, and simulations, all designed to enhance understanding and skill. From identifying instruments to handling real-life surgical scenarios, learners get a comprehensive hands-on experience, preparing them for the complexities of the surgical world.

Knowledge Portal with Floating Annotations:

- Explore a hero image showcasing a detailed surgical procedure.
- Delve into 10 floating knowledge portals that include:
 - Images of various surgical instruments and techniques.
 - Text descriptions explaining the importance and use of each technique.
 - Videos of real-time surgeries demonstrating the application of these techniques.
 - An AI Avatar guiding through each procedure, offering insight and historical context.

3-D Model Integration:

- Interact with 3-D models of surgical instruments sourced from EON's library.
- For specialized procedures, use images of unique instruments as placeholders.
- For advanced learners, a 3-D model of a complete surgical setup to simulate real-life surgery.
- An upgrade in 2024 will allow conversion of textual surgical procedures into 3-D visual demonstrations.

Annotations for the 3-D Model:

- Learn about each surgical instrument with auto-generated floating annotations.
- Utilize the IntelliScan feature for image recognition-based annotations to identify and learn about surgical tools.
- For a more hands-on experience, manually add annotations to emphasize specific learning points.

Assessment Creation:

- Test your knowledge with quizzes designed around surgical techniques.
- Identify instruments, their uses, or simulate a step-by-step procedure through the various quiz formats available.

AI Generated Universal Skill Simulator:

- Engage in simulated surgeries, targeting the top five standard surgical procedures.
- View auto-generated procedures transformed into 3-D animations, guided by an AI avatar.
- For specialized courses, use a 2D hero image of the surgery if a 3D model isn't available.

Interactive Simulation Scenarios:

- Face real-life surgical scenarios presented with 3-D models.
- Create custom surgical simulations to practice rare or new techniques.

Incident Simulation:

- Confront unexpected surgical incidents and challenges presented by the AI avatar.
- Evaluate your responses to these challenges and refine your techniques.

Patient Counseling and Communication

Delve deep into the realm of Patient Counseling and Communication with the power of EON AI Assistant's augmented and virtual reality capabilities. Interact with realistic 3D models, access knowledge portals, and be guided by AI avatars for an immersive learning experience tailored to the medical field.

Features:

Knowledge Portal with Floating Annotations:

- Visual representation of a typical patient counseling room.
- 10 floating knowledge portals featuring images, text, and videos about communication techniques, body language interpretation, and counseling methodologies.
- An AI avatar guides learners, offering insights into effective patient communication.

3-D Model Integration:

- Engage with 3D models of a counseling room, medical equipment, and virtual patients.
- Learn through illustrative examples, like a 3-D model showcasing a patient counseling session.
- If a specific counseling scenario isn't available, relevant images substitute for the 3D model.

Annotations for the 3-D Model:

- Access floating annotations on counseling techniques and communication strategies.
- IntelliScan provides image recognition-based annotations on patient expressions and non-verbal cues.
- Option to add personalized notes and annotations for a more customized learning experience.

Assessment Creation:

- Test understanding through quizzes on patient counseling techniques, communication strategies, and body language interpretation.
- Engage in diverse quizzes like identify, locate, and Jeopardy-style quizzes focused on patient counseling.

AI Generated Universal Skill Simulator:

- Walkthrough standard counseling procedures using 3D animations.
- Learn best practices in communicating medical diagnoses to patients.
- Practically apply counseling techniques and receive AI-generated feedback.

Interactive Simulation Scenarios:

- Encounter real-life scenarios like breaking challenging news to patients.
- Practice counseling sessions using 3D models and knowledge portals.
- Create custom simulations to test specific communication skills.

Incident Simulation:

- Navigate through critical incidents like managing a patient's adverse reaction to news.
- Engage with simulations and receive feedback on communication efficacy.

Clinical Diagnosis and Treatment Scenarios

Explore the intricacies of Clinical Diagnosis and Treatment through the lens of the EON AI Assistant. Experience the medical world with augmented and virtual reality, interacting with authentic 3D models of clinical environments, patients, and treatments.

Features:**Knowledge Portal with Floating Annotations:**

- Visualization of a clinical examination room.
- 10 floating knowledge portals with images, text, and videos about diagnostic procedures, treatment options, and patient management.
- An AI avatar provides detailed explanations of complex diagnoses and treatment methods.

3-D Model Integration:

- Interact with 3D models of medical instruments, patients, and clinical environments.
- Use illustrative examples, such as a 3-D model of a patient undergoing diagnosis.
- Images of specific medical conditions are available for further study.

Annotations for the 3-D Model:

- Access detailed annotations on diagnostic tools, patient symptoms, and treatment protocols.
- Utilize IntelliScan for image recognition-based annotations on medical conditions and tools.
- Add personal insights and annotations to deepen understanding.

Assessment Creation:

- Engage in quizzes on medical diagnosis, treatment options, and patient management.
- Participate in diverse quizzes like standard drop menu, identify, and locate quizzes centered on clinical scenarios.

AI Generated Universal Skill Simulator:

- Practice standard diagnostic procedures with 3D animations.

- Learn through scenarios like patient examination, lab tests interpretation, and treatment administration.
- Demonstrate treatment application and gain AI insights on performance.

Interactive Simulation Scenarios:

- Navigate real-life scenarios such as diagnosing complex medical conditions.
- Apply treatments using 3D models and knowledge portals.
- Design custom simulations for specific diagnostic challenges.

Incident Simulation:

- Address medical incidents like unexpected patient responses to treatments.
- Engage with simulations and gain insights on decision-making and treatment efficacy.

Research and Labs

Anatomy and Dissection

Dive deep into the intricacies of human anatomy and dissection using cutting-edge augmented and virtual reality technologies. Interact with lifelike 3D models, receive guidance from AI avatars, and put your knowledge to the test with immersive assessments.

Comprehensive Feature Description:

- **Knowledge Portal with Floating Annotations:**
 - Explore detailed hero images of human anatomy, sourced from reputable medical sources.
 - Interact with 10 floating Knowledge Portals showcasing:
 - High-resolution anatomical images.
 - Detailed textual explanations of different body systems.
 - Videos of dissection procedures.
 - An AI Avatar guiding students through complex anatomical structures.
- **3-D Model Integration:**
 - Engage with realistic 3D models of human organs and systems from EON's extensive library.
 - Lack of specific anatomy? Utilize detailed image placeholders.
 - For instance, visualize a 3-D heart and understand its functioning.
 - Future tools will enable direct text-to-3D transformations of anatomical descriptions.
- **Annotations for the 3-D model:**

- Hover over organs to view auto-generated annotations, providing deeper insights.
- IntelliScan offers image recognition-based annotations, identifying structures like veins, arteries, and muscles.
- Customize your learning by manually adding annotations.
- **Automated Assessment Creation:**
 - Assess your understanding with quizzes, including:
 - Identify parts of the body.
 - Locate specific organs.
 - Jeopardy style quizzes on body systems.
 - Upcoming quiz types include matching organs to their functions and true/false questions on anatomical facts.
- **AI-Generated Universal Skill Simulator (3D assessment):**
 - Master the top five dissection procedures guided by an AI avatar.
 - Watch procedures transform into 3-D animations, like an open-heart dissection.
 - Showcase your dissection skills and receive AI-driven feedback.
- **Interactive Simulation Scenarios:**
 - Engage in real-world scenarios, like emergency surgeries or trauma care, with 3-D models.
 - Simulate surgical procedures using Eon Interact.
- **Incident Simulation:**
 - AI avatars present medical incidents, allowing students to diagnose based on anatomical knowledge.
 - Engage in critical thinking and decision-making exercises related to anatomy and dissection.

Medical Imaging Interpretation

Delve into the world of radiology and medical imaging. Using augmented and virtual reality, students will interpret various imaging modalities, understand underlying pathologies, and enhance diagnostic skills.

Comprehensive Feature Description:

- **Knowledge Portal with Floating Annotations:**
 - Examine detailed hero images of MRIs, X-rays, and CT scans.
 - 10 floating Knowledge Portals feature:
 - Crisp images of different imaging modalities.
 - Text explanations detailing the nuances of each image.
 - Videos showcasing imaging techniques.

- An AI Avatar explaining pathological findings and normal anatomy.
- **3-D Model Integration:**
 - Explore 3D models of organs as visualized in imaging modalities.
 - Use image placeholders for rare or unique conditions.
 - Visualize, for example, a 3-D model of the brain through an MRI scan.
- **Annotations for the 3-D model:**
 - Access auto-generated annotations, enhancing understanding of imaging.
 - IntelliScan aids in recognizing and annotating abnormalities in scans.
 - Manually annotate findings for personalized study sessions.
- **Automated Assessment Creation:**
 - Quizzes include:
 - Identifying pathological vs. normal scans.
 - Locating tumors or fractures.
 - Jeopardy style quizzes on imaging techniques.
 - Future quizzes will test interpretation skills and image modality knowledge.
- **AI-Generated Universal Skill Simulator (3D assessment):**
 - Master the top five imaging interpretation techniques.
 - Experience 3-D animations of imaging processes.
 - Simulate real-world imaging scenarios and receive AI feedback on interpretation accuracy.
- **Interactive Simulation Scenarios:**
 - Face real-world diagnostic challenges with 3-D imaging models.
 - Use Eon Interact to create personalized imaging scenarios for study.
- **Incident Simulation:**
 - AI-driven scenarios present medical cases, challenging students to diagnose using imaging.

Molecular Mechanisms in Medicine

Unravel the molecular mysteries underpinning medical science. From DNA to proteins, understand the mechanisms that drive health and disease using augmented and virtual reality tools.

Comprehensive Feature Description:

- **Knowledge Portal with Floating Annotations:**
 - Dive into hero images of molecular structures and pathways.
 - 10 Knowledge Portals showcase:
 - Vivid images of molecular structures.
 - Text on molecular interactions and their implications.

- Videos of molecular processes.
 - An AI Avatar elucidating complex molecular mechanisms.
- **3-D Model Integration:**
 - Visualize 3D models of molecules, DNA structures, and proteins.
 - For rarer molecules, detailed image placeholders are available.
 - For instance, explore a 3-D model of the DNA double helix.
- **Annotations for the 3-D model:**
 - View auto-generated annotations on molecular interactions and functions.
 - IntelliScan identifies and annotates specific molecular structures.
 - Personalize your studies by adding manual annotations.
- **Automated Assessment Creation:**
 - Challenge yourself with quizzes:
 - Identifying molecular structures.
 - Understanding cellular pathways.
 - Jeopardy style quizzes on molecular medicine.
 - Upcoming quiz types will dive deeper into molecular interactions and implications.
- **AI-Generated Universal Skill Simulator (3D assessment):**
 - Grasp the top five molecular techniques, such as PCR or gel electrophoresis.
 - Experience 3-D animations of molecular processes.
 - Perform simulated lab techniques and gain AI insights on your proficiency.
- **Interactive Simulation Scenarios:**
 - Engage in scenarios like drug design or genetic engineering with 3-D molecular models.
 - Eon Interact offers personalized scenario creation for in-depth study.
- **Incident Simulation:**
 - AI avatars present medical cases at a molecular level, challenging students to think critically about molecular medicine

Specialized Medicine

Pediatric Medicine Techniques

Dive into the world of pediatric medicine techniques using the state-of-the-art EON AI Assistant. Explore the intricate procedures, best practices, and standard operation procedures through immersive augmented and virtual reality environments.

Features:

- **Knowledge Portal with Floating Annotations:**

- Explore a hero image showcasing a pediatric ward or a young patient's anatomy.
- Engage with 10 floating Knowledge Portals, including:
 - High-resolution images of common pediatric medical instruments.
 - Comprehensive text detailing pediatric conditions.
 - Videos of standard pediatric procedures.
 - An AI Avatar guiding you through each technique.
- **3-D Model Integration:**
 - View models of pediatric anatomy from EON's expansive library.
 - Observe detailed 3-D representations of tools, such as stethoscopes or otoscopes.
 - Personalize your experience by uploading your own CAD models or 3-D scans.
- **Annotations for the 3-D model:**
 - Auto-generated floating annotations detail key components of pediatric equipment.
 - IntelliScan feature highlights specific pediatric conditions on an anatomical model.
- **Automated Assessment Creation:**
 - Test your understanding with various quizzes like:
 - Identify different pediatric conditions.
 - Pediatric case study based Jeopardy quizzes.
- **AI-Generated Universal Skill Simulator:**
 - Master the top five pediatric techniques.
 - Watch 3-D animations of procedures like infant CPR or administering vaccinations.
- **Interactive Simulation Scenarios:**
 - Navigate real-life pediatric emergency scenarios.
 - Utilize Eon Interact to create your own simulations, replicating challenging cases.
- **Incident Simulation:**
 - An AI avatar guides you through potential incidents in pediatric care, testing your response skills.

Obstetrics and Gynecology Procedures

Embark on an interactive journey through obstetrics and gynecology procedures. The EON AI Assistant presents a rich learning environment, offering deep insights into maternal and reproductive health.

Features:

- **Knowledge Portal with Floating Annotations:**
 - Discover a hero image representing a childbirth process or female reproductive anatomy.
 - Access 10 floating Knowledge Portals containing:
 - Detailed images of OBGYN instruments.
 - Text on various maternal conditions.
 - Videos of childbirth or surgeries.
 - An AI Avatar explaining each procedure.
- **3-D Model Integration:**
 - View models of the female reproductive system.
 - Examine 3-D tools commonly used in OBGYN, such as forceps or ultrasound machines.
- **Annotations for the 3-D model:**
 - Floating annotations detail key OBGYN procedures and equipment.
 - IntelliScan highlights specific maternal conditions and treatments.
- **Automated Assessment Creation:**
 - Quizzes include:
 - Identifying OBGYN tools.
 - Case studies related to pregnancy complications.
- **AI-Generated Universal Skill Simulator:**
 - Perfect the top five OBGYN procedures, from cesarean sections to laparoscopies.
 - Experience 3-D animations detailing each step of the procedures.
- **Interactive Simulation Scenarios:**
 - Navigate real-life maternal emergency scenarios.
 - Create personalized simulations to challenge your knowledge.
- **Incident Simulation:**
 - An AI avatar presents incidents in OBGYN care, evaluating your responses.

Orthopedic Surgery Techniques

Venture into the specialized domain of orthopedic surgery with EON AI Assistant. Grasp the nuances of musculoskeletal surgeries, procedures, and post-operative care in a captivating virtual environment.

Features:

- **Knowledge Portal with Floating Annotations:**
 - Engage with a hero image showcasing an orthopedic surgery suite.
 - 10 floating Knowledge Portals contain:
 - Images of orthopedic tools like bone drills or plates.
 - Text detailing orthopedic conditions.

- Videos of surgeries like joint replacements.
 - An AI Avatar elucidating each surgery technique.
- **3-D Model Integration:**
 - Explore detailed models of the human skeletal system.
 - Witness 3-D visualizations of orthopedic implants or prosthetics.
- **Annotations for the 3-D model:**
 - Annotations provide insights into orthopedic equipment and bone structures.
 - IntelliScan offers a closer look at specific orthopedic conditions like osteoporosis.
- **Automated Assessment Creation:**
 - Quizzes test your knowledge on:
 - Orthopedic instrument identification.
 - Case studies on fractures or joint disorders.
- **AI-Generated Universal Skill Simulator:**
 - Master the top five orthopedic surgeries, from spinal fusions to arthroscopies.
 - Observe 3-D animations that intricately detail each surgical procedure.
- **Interactive Simulation Scenarios:**
 - Address real-life orthopedic emergencies.
 - Design your own surgery simulations for hands-on experience.
- **Incident Simulation:**
 - An AI avatar navigates you through potential surgical complications, assessing your problem-solving skills.

