# REMEDIATION FOR HIGHER EDUCATION

## CLIENT:

A well-known US-based higher educational institution offering diverse academic programs committed to delivering inclusive learning experiences.

## PROJECT OVERVIEW:

The university partnered with Continual Engine to remediate many course materials, including PDFs, images, PowerPoints, and complex technical diagrams, ensuring compliance with Web Content Accessibility Guidelines (WCAG) 2.1 Level AA and Section 508 standards. Continual Engine's proprietary platform, PREP, was used to streamline and scale the remediation process to meet the university's tight academic deadlines.

## CHALLENGES:

- **High Volume of Documents**: The university needed remediation for thousands of large course materials within a limited timeframe.
- **Complex Content**: Materials included STEM (Science, Technology, Engineering, and Mathematics) and STEAM (Science, Technology, Engineering, Arts, and Mathematics) diagrams, technical images, and course presentations requiring accurate alt text and accessibility tagging.
- **Short Turnaround**: The university required the project to be completed before the start of the academic semester.
- **Hands-Free Process**: The university was keen to experience a seamless process where Continual Engine completed full remediation with no hands-on involvement from the university and faculty.
- **Rush Orders**: The university occasionally needed certain documents prioritized and remediated within extremely tight deadlines.

## SOLUTION:

Continual Engine deployed its advanced remediation platform, PREP, and leveraged its high-level tagging and expertise to deliver accessible, high-quality course materials efficiently.

| Step | Description | Methodology |
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| **1. Document Submission** | The university shared materials with Continual Engine. | Files were uploaded to the secure PREP Remediation Services Platform (RSP). |
| **2. Automated Analysis** | Initial content analysis for accessibility requirements. | AI-driven automation via PREP identified compliance gaps. |
| **3. Complex Content Remediation** | Remediated STEM diagrams, images, and PDFs. | Invicta™ API generated alt text; manual intervention ensured accuracy. |
| **4. Course Material Remediation** | Remediated syllabi, lecture notes, and slides. | Tagged and formatted for WCAG compliance. |
| **5. Quality Control** | Verified alt text accuracy, structure, and usability. | The expert team validated outputs. |

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| 6. Accessibility Compliance Check | Ensured compliance with WCAG 2.1 and Section 508. | PREP's built-in accessibility checker validated all documents. |
| 7. Final Delivery | Delivered remediated materials to the university. | Files were uploaded to PREP RSP for easy access. |
| 8. Payment | Payment processed after project completion. | Clients used the Pay Icon feature on PREP RSP. |

## RESULTS:

- **Efficiency**: Remediated over thousands of course materials, including PDFs, PowerPoints, and technical diagrams, in record time, ensuring all documents were ready for the semester.
- **Compliance**: Achieved 100% compliance with WCAG 2.1 Level AA and Section 508 standards, ensuring accessibility for all students, including those with disabilities.
- **Scalability**: Established a repeatable process to handle additional course materials in future semesters with ease.
- **Cost Savings**: By outsourcing remediation, the university avoided the significant costs associated with hiring and training in-house accessibility experts. This made the solution far more cost-effective, particularly for large-scale projects.
- **Focus on Core Activities**: The university's faculty and administration praised the seamless workflow and high-quality outputs, enabling them to focus on their core academic responsibilities.

## METRICS

- **Documents Remediated**: Thousands of PDFs, images, forms, magazines, and PowerPoint slides were remediated.
- **Compliance Rate**: 100% adherence to WCAG 2.1 and Section 508 standards.
- **Automation Level**: 90% of the remediation process was automated for recurring document types.
- **Time Saved**: 50% reduction in remediation time compared to manual-only methods.
- **Alt Text Generated**: Hundreds of precise alt-text entries for images, diagrams, and other visual content, ensuring full compliance and usability.

## CONCLUSION:

Continual Engine's advanced platforms such as PREP and Invicta™ and the in-house team of accessibility experts enabled the university to meet its accessibility goals efficiently and effectively. By delivering fully compliant course materials in a timely manner,

Continual Engine ensured an inclusive learning experience for all learners. This partnership highlights Continual Engine's capability to handle complex, large-scale remediation projects tailored to the needs of higher education institutions.