

# Incorporating Generative AI in Scrum



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# Topics

- Overview of Generative AI and its role
- Practical Application
- Hands On Practice



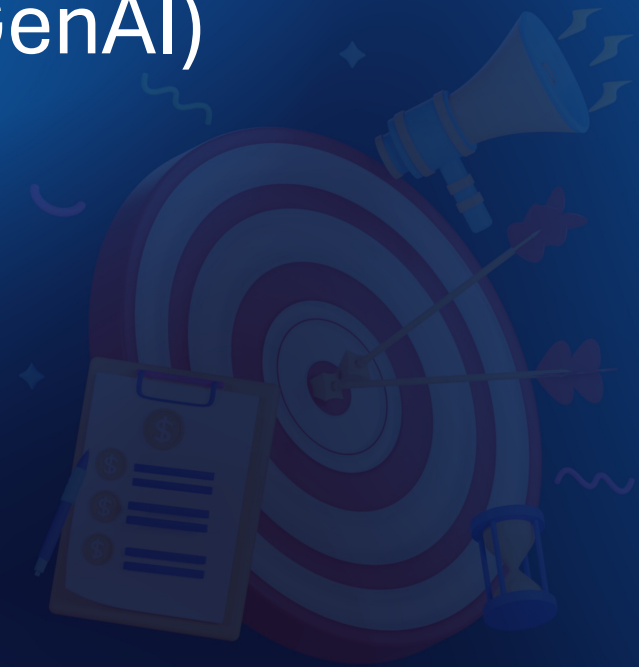
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# Overview of Generative AI (GenAI)

- Definition of GenAI
- Sentient Sprinting
- Integrating GenAI into Scrum



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# Benefits of GenAI

- Enhanced Data Analysis for Decision Making
- Increased Productivity and Effectiveness
- Automation of Time Consuming Tasks



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# Challenges of GenAI and Scrum

- Resistance
  - Job replacement
  - Lack of familiarity
  - Change fatigue
  - Perceived loss of control
- Address it with
  - Education & Training
  - Transparency
  - Involve the Team



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# Challenges of GenAI and Scrum

- Alignment with Scrum values and principles
  - Human-centricity
  - Maintaining transparency
  - Preserving adaptability
  - Team ownership
- Address it with
  - Decision-support, not decision-making
  - Maintain the human element
  - Enhance AI transparency



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# Challenges of GenAI and Scrum

- Data privacy and security concerns
  - Handling sensitive data
  - Compliance with regulations
  - Security risks
  - Data integrity
- Address it with
  - Data security protocols
  - Regular reviews and audits
  - Limit data access
  - Maintain data transparency

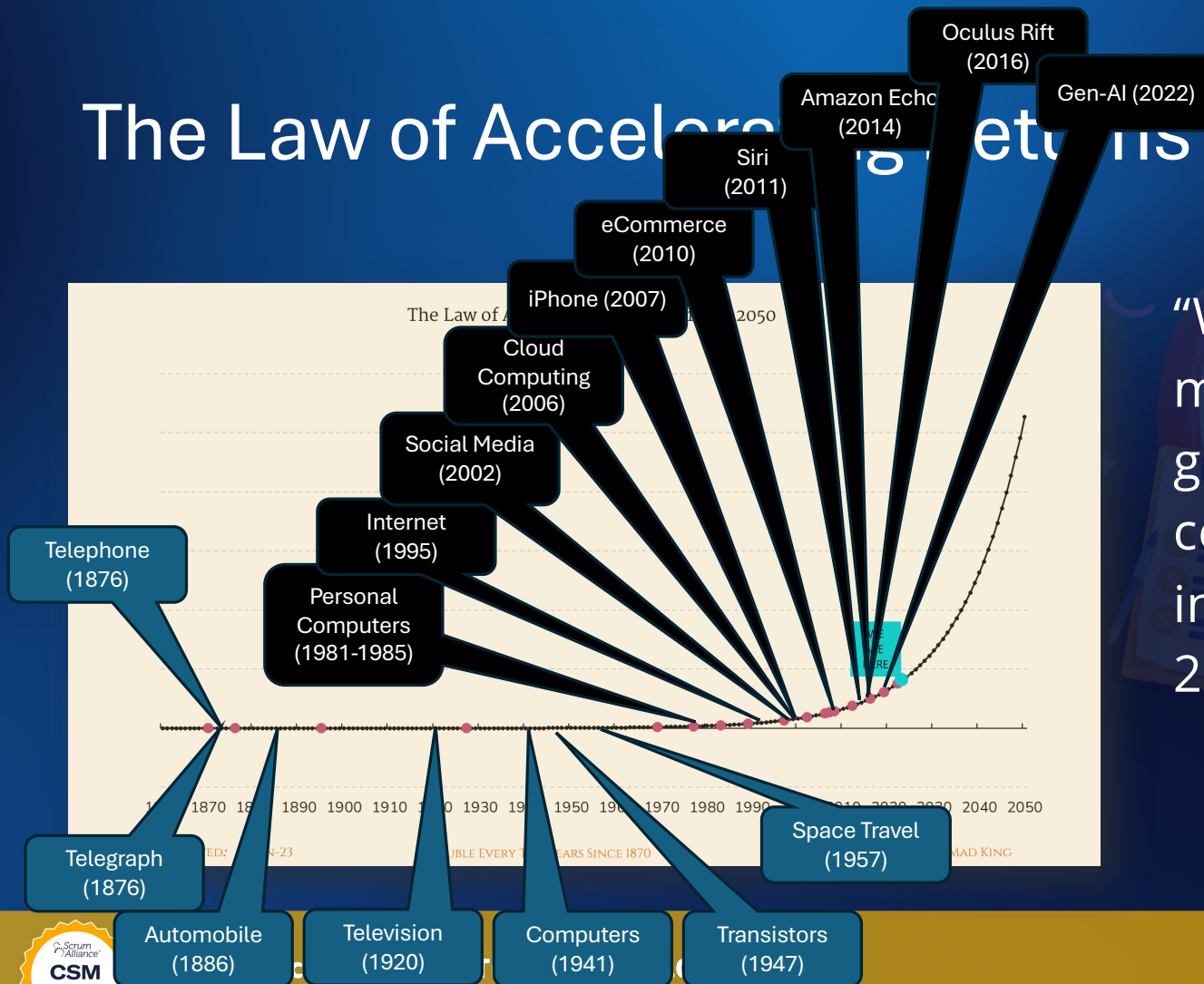


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# The Law of Acceleration of Returns



“We will see as much technological growth in the 21<sup>st</sup> century as we saw in 20 years in the 20<sup>th</sup> century.”

- Raymond Kurzweil



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# Sentient Sprinting

“By augmenting the workflow of the sprint with AI, we re-instill the wonder and innovation inherent in creating valuable outcomes for the world.”



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# Introduction to Sierra Agility

- Initially built to
  - Properly use Scrum
  - Help teams with continuous, just-in-time coaching support
  - Help product owners do their jobs more effectively
- Then ChatGPT (2022)
  - Take complex tasks and make them easy.



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# Hard Work Sierra Agility Makes Easier...

- How to be an effective Scrum Master
- How to be an effective Product Owner
- Ineffective backlog item slicing
- No product goals and unclear product strategies
- Poorly written sprint goals
- Time intensive acceptance criteria writing
- Over-planning the Sprint
- Unidentified dependencies between backlog items



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# Demonstrating Sierra Agility

Product Analysis  
Backlog Refinement  
Acceptance Criteria  
Test Cases  
Sprint Planning  
Retrospectives



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# Hands-On Practice

- Create a new product
- Set a product goal
- Generate a product backlog
- Prioritize for value, size, risk, etc.
- Refine the items to be very small
- Plan a sprint



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# Discussion

- Experiences?
- Questions?



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# Conclusion of Module

- Key Takeaways
  - GenAI – Sentient Sprinting
  - Benefits and Challenges
- Resources
  - Sierra Agility Documentation
  - Artisan Agility Blog Posts on AI
  - Student Handbook
- Questions



Sierra Agility  
Docs



AI



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