

# ENGLISH CODE ARTIFICIAL INTELLIGENCE

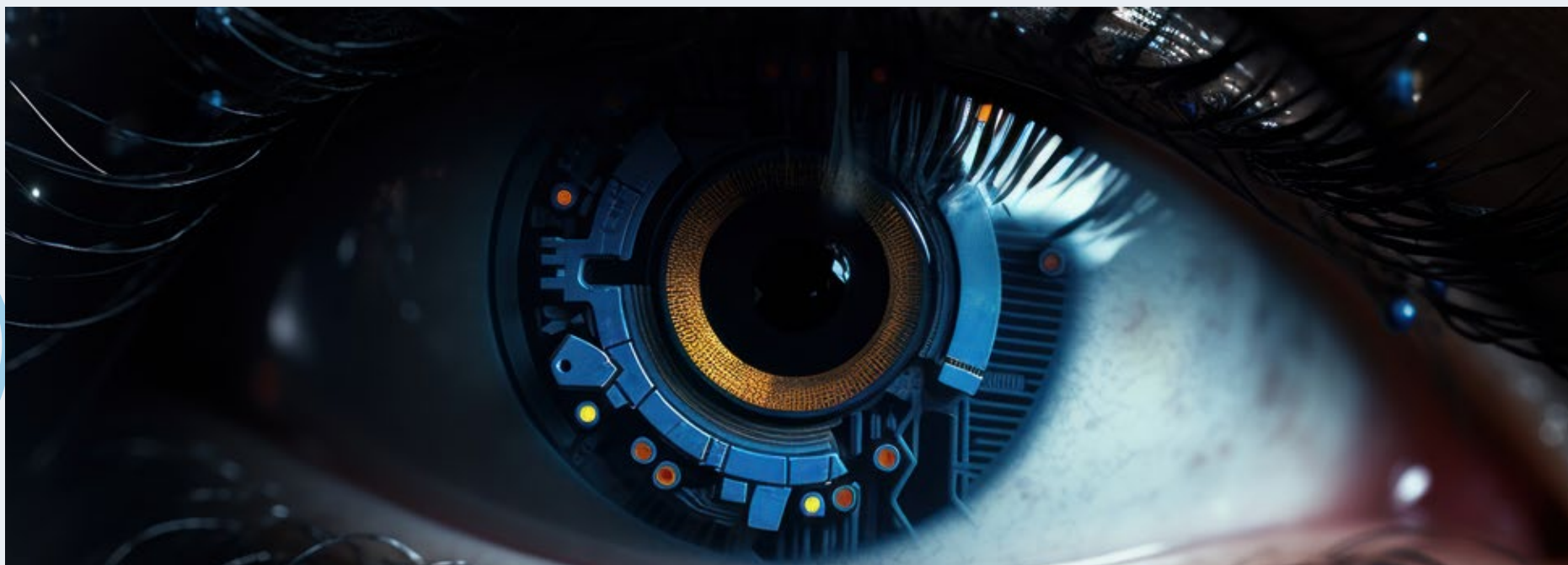
**INTEGRATOR- Module 1**

**Unit 5**



# CONTEXTUALIZATION OF MY LEARNING

In this module, the focus is on enhancing vocabulary and reading skills within the specialized domain of Natural Language Processing (NLP) applications in industry. Participants will delve into the intricacies of language-related technologies and their practical implementations across various industrial sectors. The module aims to build a strong foundation in the vocabulary specific to NLP, enabling learners to comprehend and discuss sophisticated concepts related to language processing, machine learning, and artificial intelligence as applied in real-world industrial settings. Through curated readings and vocabulary exercises, participants will not only expand their technical lexicon but also develop the ability to critically engage with texts discussing the applications, challenges, and advancements in NLP within diverse industries.



# General objective

## UNIT 5

- Develop a comprehensive understanding and mastery of the specialized vocabulary associated with Natural Language Processing (NLP) applications in the industry. By engaging with relevant readings and vocabulary exercises, participants will enhance their ability to accurately interpret and use terminology specific to language technologies within an industrial context.

## SKILLS TO DEVELOP

- Linguistic competence.
- Pragmatic competence.
- Sociolinguistic competence.
- Topical Competence.

**Linguistic Competence:** Enhance proficiency in the technical language and terminology specific to Natural Language Processing (NLP) applications in the industry.

**Pragmatic Competence:** understanding the practical applications of NLP within the industrial context. This includes the ability to apply language technologies in real-world scenarios, discern the appropriateness of language use, and comprehend the functional aspects of NLP tools and systems as they relate to industry-specific challenges and goals.

**Sociolinguistic Competence:** understanding of how language technologies impact and interact with various social and professional environments. This includes recognizing the ethical considerations, cultural implications, and societal impacts of implementing NLP solutions in diverse industrial settings.

**Topical Competence:** Cultivate critical reading skills in the field of NLP applications in industry. Participants will learn to analyze and interpret complex texts, including articles, case studies, and reports, allowing them to gain insights into the practical implementations, challenges, and advancements in Natural Language Processing across diverse industrial sectors.

# UNIT 5: Vocabulary: NLP Applications in Industry

Execution time: 4 hours.

## APPROACH OF THE SESSION

- 1) Discussion questions about NLP.
- 2) Word jumble game: "Natural Language Processing in EdTech: A Deep Dive into the Future of Learning"
- 3) Review some vocabulary "Natural Language Processing in EdTech: A Deep Dive into the Future of Learning"
- 4) Reading: "Natural Language Processing in EdTech: A Deep Dive into the Future of Learning"
- 5) Matching activity (previous reading).
- 6) True/False/Doesn't say activity based on the previous reading.
- 7) Socialize vocabulary reading #2
- 8) Reading activity #2: "How is Natural Language Generation Enhancing Processes in the Media & Entertainment Sector"
- 9) Inference reading activity.
- 10) Socialize vocabulary reading #3
- 11) Reading activity #3: "The Power of NLP for Legal and Compliance"

## MATERIALS

- Reading: "Natural Language Processing in EdTech: A Deep Dive into the Future of Learning": <https://medium.com/@integraNXT/natural-language-processing-in-edtech-a-deep-dive-into-the-future-of-learning-d3598c4a7529>
- Reading: "How is Natural Language Generation Enhancing Processes in the Media & Entertainment Sector": <https://phrazor.ai/blog/natural-language-generation-in-media-and-entertainment#:~:text=NLG%20in%20Action&text=Companies%20in%20the%20media%20and%20entertainment%20sector%20can%20use%20the,and%20ultimately%20improve%20user%20experience.>



**COLOMBIA**  
POTENCIA DE LA  
**VIDA**



**TIC**



**AZ** | PROYECTOS  
EDUCATIVOS



Universidad Tecnológica  
de Pereira

# UNIT 5: Vocabulary: NLP Applications in Industry

Execution time: 4 hours.

## APPROACH OF THE SESSION

- 12) Kahoot activity.
- 13) Socialize vocabulary #4
- 14) Reading activity #4: Top 14 Use Cases of Natural Language Processing in Healthcare"
- 15) Multiple choice activity (previous activity)

## MATERIALS

- Reading: "The Power of NLP for Legal and Compliance":  
<https://blog.kensho.com/-the-power-of-nlp-for-legal-and-compliance-3a1f4a537a83>
- Reading: Top 14 Use Cases of Natural Language Processing in Healthcare":  
<https://marutitech.com/use-cases-of-natural-language-processing-in-healthcare/>