

Activity: Practicing In-Text Citation and Reference List Using IEEE Style

This activity is designed to help students apply IEEE citation style correctly by integrating in-text citations and formatting a reference list based on a section of their research proposal.

Step 1: Selecting a Proposal Section (5 minutes)

- Choose a **300–500 word** section from your research proposal that contains references to **previous studies, theories, or background information**.
- If your proposal is incomplete, you may choose a computing-related topic such as **cybersecurity, machine learning, or software engineering**.

Step 2: Identifying Missing Citations (10 minutes)

- Read through the selected text and **highlight any claims, statistics, or background information that require citations**.
- If a citation is missing, **find an appropriate academic source** such as a **journal article, book, or conference paper** to support the information.

Step 3: Applying IEEE In-Text Citation (15 minutes)

- **Format citations numerically in square brackets [],** placing them at the end of the relevant sentence.
- **Example:**
 - **Incorrect:** *Smith (2020) states that AI improves efficiency in software development.*
 - **Correct (IEEE format):** *AI improves efficiency in software development [1].*
- When citing multiple sources for the same point, use:
 - *AI enhances predictive accuracy [1], [2].*
 - *Deep learning methods improve performance [3]–[5].*

Step 4: Creating an IEEE-Formatted Reference List (20 minutes)

List all references in **numerical order** as they appear in the text, following the IEEE format:

IEEE Reference Formatting Examples:

1. **Journal Article:**

111 A. B. Author, "Title of the paper," *Journal Name*, vol. X, no. X, pp. XX–XX, Month, Year.

2. **Book:**

222 A. B. Author, *Book Title*, Xth ed. City, Country: Publisher, Year.

3. **Conference Paper:**

333 A. B. Author, "Title of paper," in *Conference Name*, City, Country, Year, pp. XX–XX.

4. **Website:**

444 A. B. Author, "Title of webpage," *Website Name*, Date. *OnlineOnlineOnline*. Available: URL. Accessed:MonthDay,YearAccessed: Month Day, YearAccessed:MonthDay,Year.

Step 5: Peer Review and Feedback (10 minutes)

- Exchange your work with a peer and check for:
 - **Correct in-text citation formatting** (numerical, enclosed in brackets).
 - **Proper IEEE reference formatting** (correct order and format for sources).
 - **Consistency between citations and references** (each citation in the text must have a corresponding reference).
- **Evaluate engagement with literature:**
 - Are the sources **relevant and high quality**?
 - Are the citations **supporting claims, statistics, or theoretical arguments** appropriately?

Step 6: Final Adjustments and Submission (on Moodle)

- **Revise** your work based on feedback.
- **Ensure citations match references** and the formatting is correct.
- **Submit the final corrected section** on Moodle.

Example of IEEE Citation in Context:

Machine learning models improve image recognition accuracy [1]. Researchers have explored convolutional neural networks for this task [2].

Reference List (IEEE Format):

111 J. Smith, "Advances in AI for Image Recognition," *AI Journal*, vol. 12, no. 3, pp. 45–58, Mar. 2020.

222 M. Jones and R. Patel, "Deep Learning for Image Analysis," in *Proc. IEEE Conf. Computer Vision*, London, UK, 2018, pp. 112–119.