

Title: The Journal of Advanced Technological Education (J ATE): Student & ATE Team Publications

The Journal of Advanced Technological Education (J ATE) is a peer-reviewed academic journal produced by and for the ATE community. Come to this session to learn about and discuss publishing related to undergraduate research experiences (UREs) and ATE supported work at community and technical colleges, and the programs developed to support both (J ATE URE & J ATE Connect). Hear from community college student authors and J ATE Connect writer-coaching teams about their experiences in publishing.

50' total:

5' - Overview of J ATE

5' - Overview of J ATE URE & J ATE Connect: structure, support and resources

15' - Panel of community college undergraduate research students discuss their work and published articles (5 min each)

5' Break

10' - Discussion with and report out from (collected through Jamboards) J ATE Connect teams (writers and coaches) on their challenges and success in the pilot program so far (what has worked and what needs improvement)

5' - Attendees brainstorm and report out ideas for reducing barriers and challenges to peer-reviewed publishing by ATE teams

5' - Summarizing discussions and recommendations for J ATE and J ATE Connect for resources, support and processes to build and/or rework

Synergy sessions: “informal opportunity to connect attendees and stimulate interactive and lively conversations during the main days of the conference agenda. The sessions allow attendees to meet and discuss issues relating to common interests, address challenges, and share transferable strategies and practices. Synergy sessions can be used to gather the people you have been working with on a project, engage with potential new collaborators, explore topics that are crossing cutting and interdisciplinary, or conduct a deep dive on a singular area of focus. The floor is yours to stimulate discussion, and to make connections and contacts that you can take with you following the event to keep the momentum going.”

Link to Slides:



JATE



JOURNAL OF ADVANCED TECHNOLOGICAL EDUCATION

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NSF ATE PI Conference 2023

Agenda

- * What is J ATE?
- * J ATE Student Authors
- * J ATE Connect

Link to Slides:





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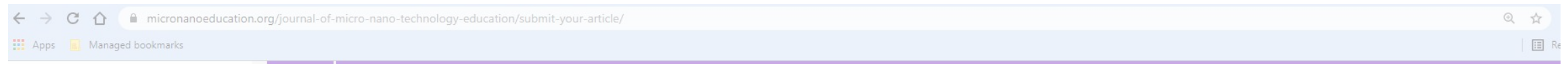
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What is JATE?

- **Peer-reviewed journal**
- Produced by and for the **ATE community**
- Centered on **technician education**
- Writers: ATE Project and Center faculty and staff, community and technical college faculty
- Readers: ATE Project and Center faculty and staff, community and technical college faculty
- **Free** to submit and read

<https://micronanoeducation.org/journal-of-micro-nano-technology-education/submit-your-article/>



Journal

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Journal of Advanced Technological Education Manuscript Submission

Journal of Advanced Technological Education is an Open Access journal that is free of publication charges for the authors. Please make sure that you have followed the author guidelines and prepared your submission strictly based on the provided template on Journal Web Page. For any further questions please send your emails to journal@micronanoeducation.org.

Name *

First

Last



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JATE Writers Workshop

Sept 10 - 12, 2024
10am - 12 noon PST

Register:

Stipends available



JATE Connect

A pilot project to increase dissemination of innovative & informative work in technician training through increasing the quantity & quality of peer reviewed publications written by NSF ATE project teams.



Writers: ATE project team members

Coaches: Peer-reviewed published authors with experience working on ATE projects/centers



Structure: Bi-monthly virtual meetings, 2 in-person meetings, resources & support

Stipend: for travel & publication preparation for writers & coaches



Expectations: Write & submit a publication for a peer-reviewed journal by Spring 2024

Assessment: Determine barriers and/or challenges ATE teams face in publishing their work and identify tools/resources to help them publish their work more frequently in the future

JATE URE

A pilot project to support community college faculty in technical education programs to develop and incorporate scientific communication lessons into their research programs, to enable their students to become peer-reviewed published journal authors.



Faculty - Student Teams:

JATE URE Teams are composed of a Community College Faculty mentor who works with Community College and Technical Education students on research or projects, along with 1-3 of their research students.



Structure: In addition to existing faculty-student research team meetings, faculty meet online to collaborate and personalize lessons for their students and participate in a customized SCOARE Scientific Communication workshop. Students complete lessons and meet online to review lessons and get feedback on their work. Faculty, Students and JATE URE staff provide writing feedback to the students.

Stipend: \$2500 for faculty participation, \$1500 for student participation.



Expectations:

Create and test lessons for students to learn to write an article for JATE.
Write & submit an article to JATE by March 15, 2024 for the May 2024 print publication.

Assessment: Determine what challenges Faculty-Student teams face in publishing their work and what resources would best help them publish their work. Assess the effectiveness of lessons developed as part of JATE URE.

Pablo - J ATE Student Author



Introduction to the Chemistry of Alternative Battery Technologies: Survey of Liquid Electrolytes in Next Generation, Fluoride-Ion Batteries

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Kevin - J ATE Student Author



Anthropogenic Contaminants Alter Microbial Diversity in Aquatic Ecosystems of the Delaware Watershed

**Chloe Berger¹, David Emdin¹, Kevin Ethridge¹, Amanda Le¹,
Kateryna Melnychuk¹, Eromosele C. Onokhua¹, Samantha
Ryan¹, Janae Thompson¹, Sofia Skopina¹, Brandon Wong¹,
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Endrit - J ATE Student Author



The Building, Use, and Importance of Intelligent Cameras in the 21st Century

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JATE - Student Author Panel



Pablo
Pasadena City College



Kevin
Community College
of Philadelphia



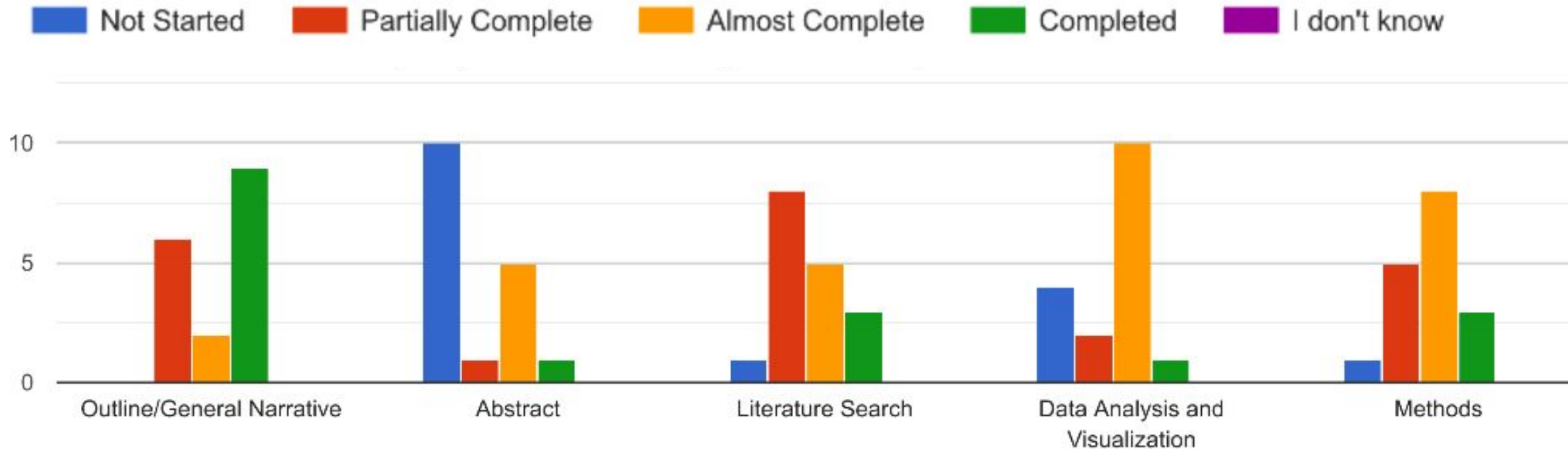
Endrit
St. Petersburg
College

JATE Connect

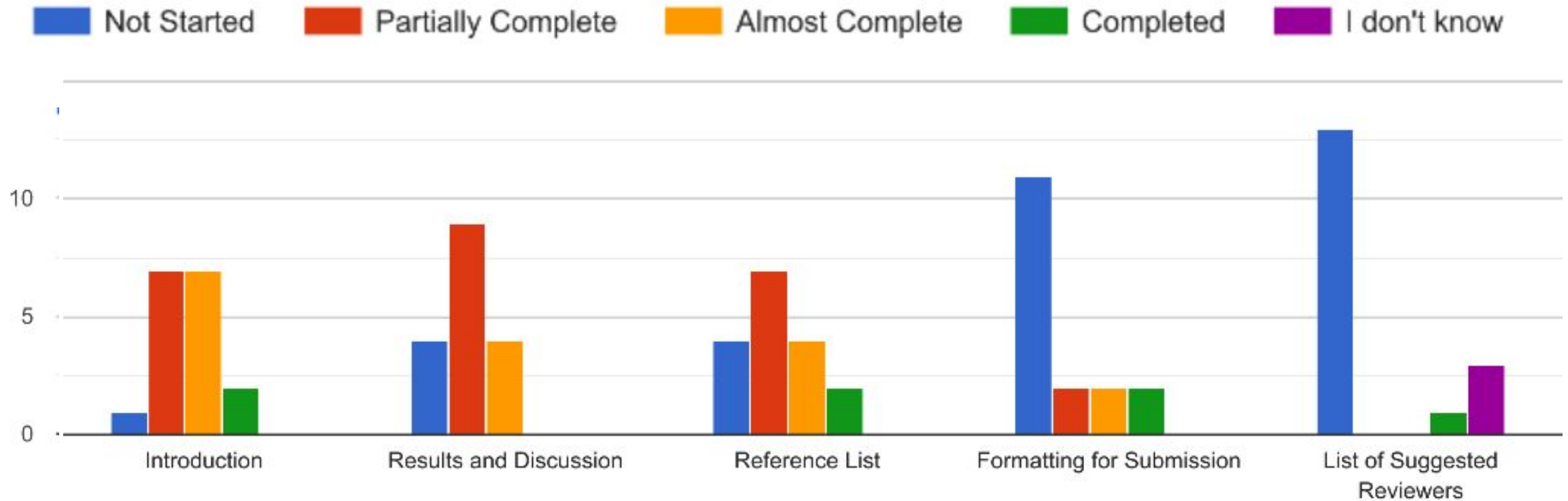


JATE Connect Timeline					
Jul	Aug-Sep	Oct	Nov-Dec	Jan	Feb-March
Teams meet virtually every other week Monthly Virtual Office Hour Regular requests for input/feedback from Writers and Coaches					Deadline for all submissions
Writers & coaches selected 1st In-person meeting	Outlining the publication: <ul style="list-style-type: none"> • Scope • Type of publication • Overall narrative • What data to include 	Methods & data analysis ATE PI Conference meetup	Writing and revising manuscripts Submission of initial draft	JATE Connect Meeting JATE Publication Submissions (January 31st deadline)*	

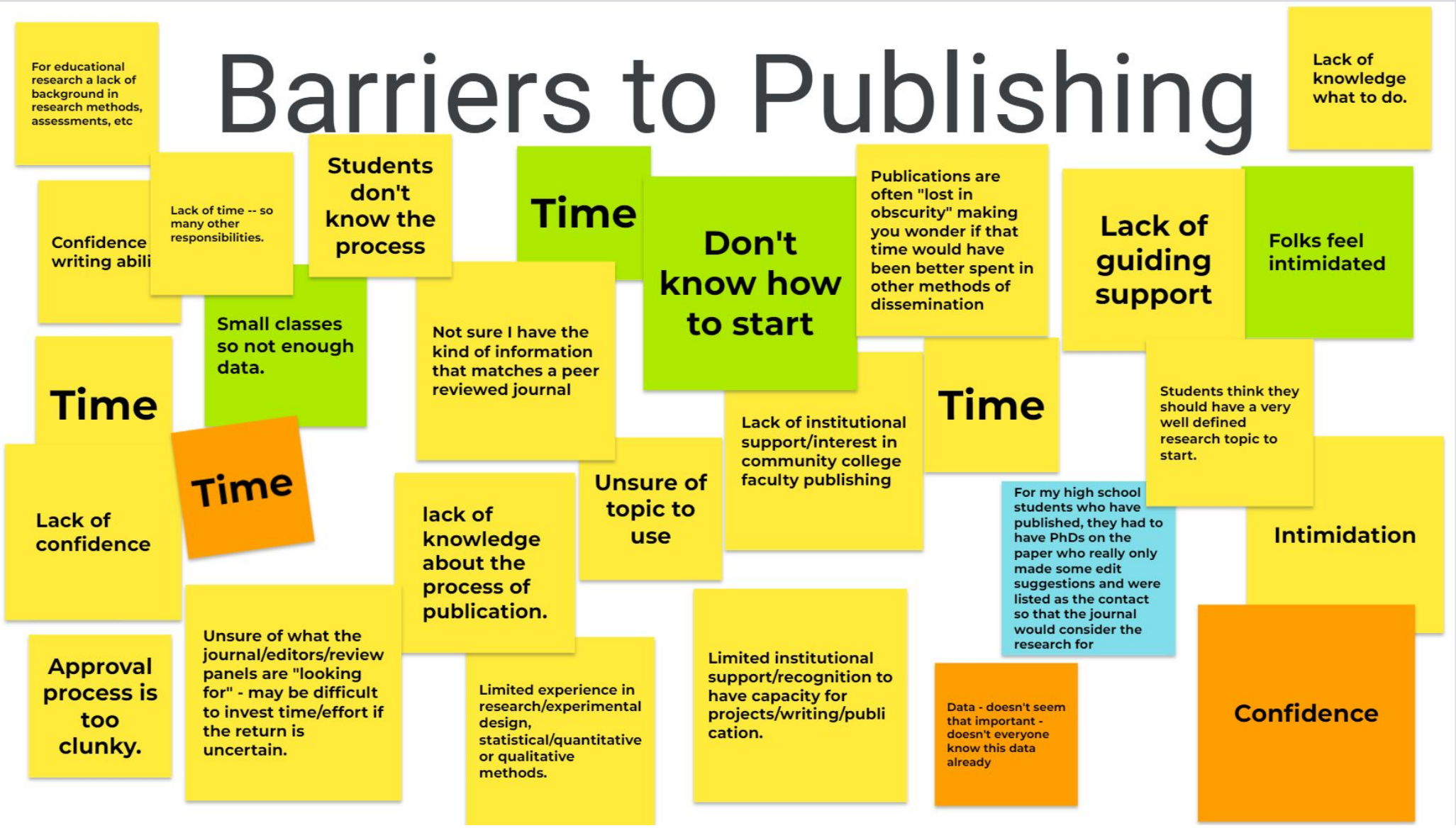
Manuscript Progress (Mid-point)



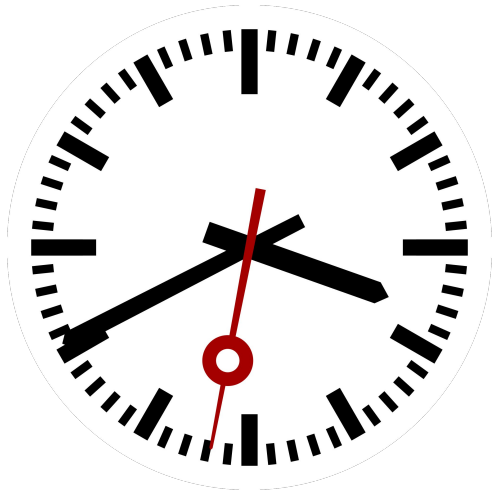
Manuscript Progress (Mid-point)



Barriers to Publishing



JATE Connect: Challenges & Barriers



Time (47%)
70% of Writers



**Developing the
Focus/Scope of the
paper (38%)**

Others:

Arranging meetings
Alignment (all on the same page)
Differing communication &
organizational methods

Writing the introduction
Need for face-to-face time
Using the Template
Bad Zoom Connections
Limited Data

**Other
barriers/challenges for
ATE teams to publish?**

**What resources, support,
processes, etc could reduce
barriers to publishing for ATE
teams?**

Acknowledgement



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