Industrial Engineering Scientific Competition
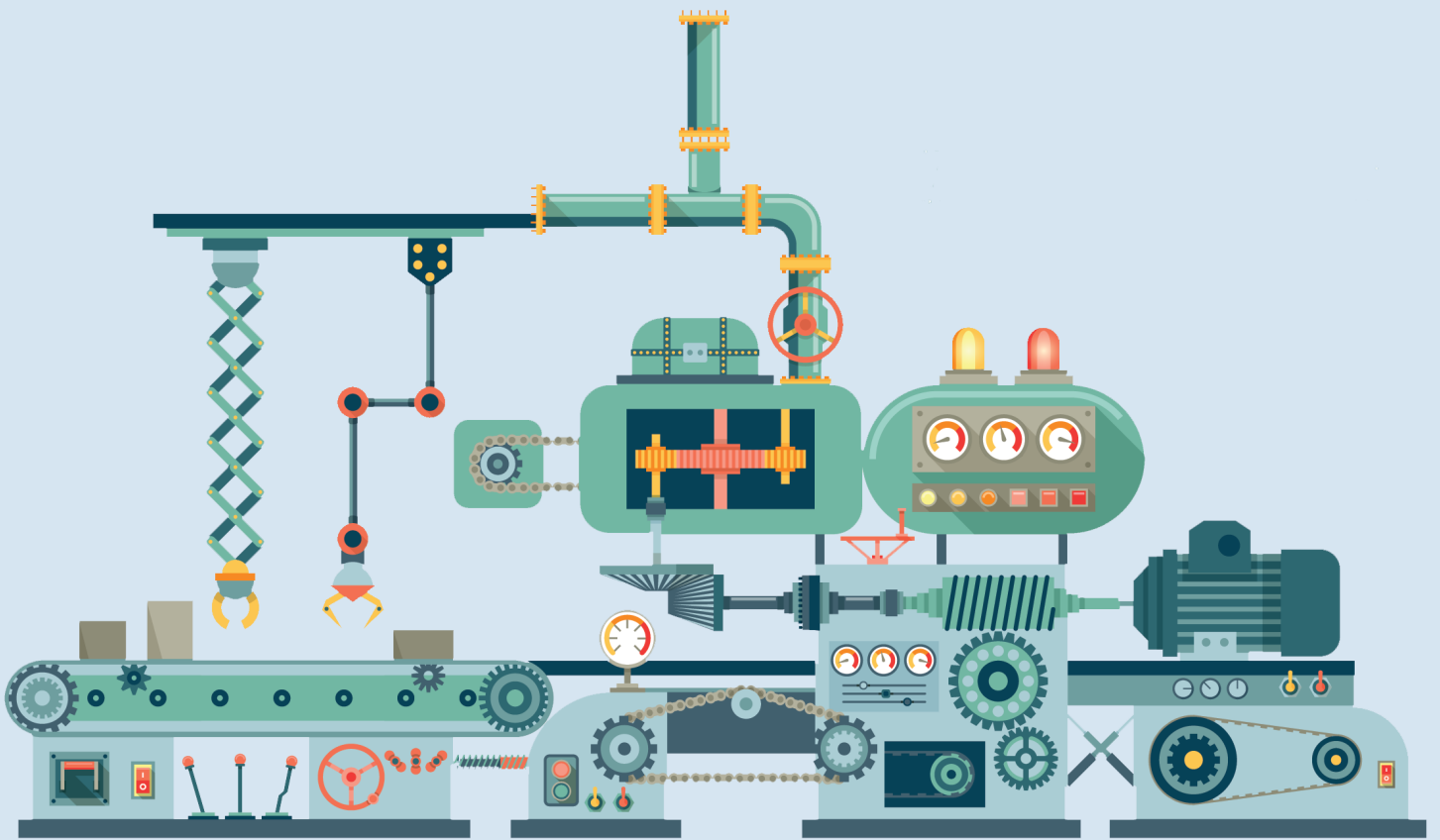
TIMELINE

Online registration
May 17 – August 7, 2021

Online submission
June 10 – August 7, 2021

Instagram Challenge
August 9 – 14, 2021

Judgement period
August 9 – 14, 2021

Announcement of Winners
August 16, 2021

PRIZE

For each competition, participants will get a prize as listed below.

1st Rp 6.000.000,-

(for approximately USD 420 **)

2nd Rp 4.300.000,-

(for approximately USD 301 **)

3rd Rp 2.700.000,-

(for approximately USD 189 **)

Rp 1.000.000,-

(for approximately USD 70 **)

** Exchange Rate used: 1 USD = 14,275.90 IDR

TECHNICAL PROCESS

Conduct your research after reading all the terms and regulations comprehensively (Refer to **MOTIVATION AND GUIDELINES**)

Write your report.

Design your poster and video.

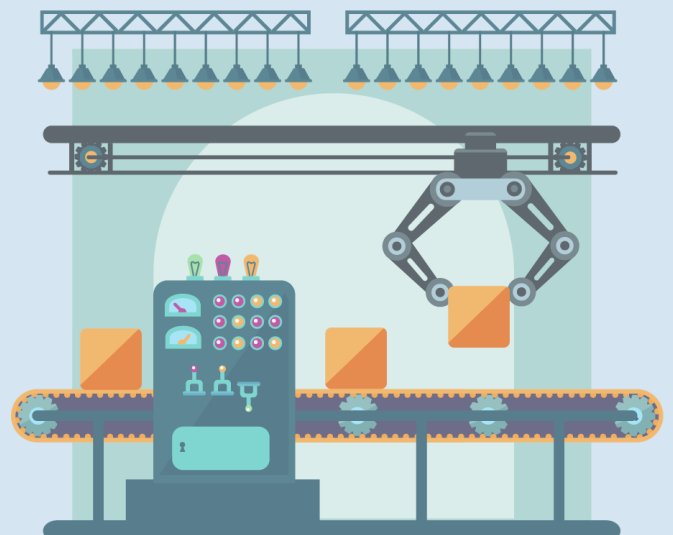Upload your report, poster, and video to Google Drive and compile them into **one folder**.

Set the folder so that **ANYONE WITH THE LINK** can access it.

Submit your Google Drive link at faith.petra.ac.id. Follow the instructions at the website.

Wait for further instructions from the *FAITH INTERNATIONAL COMPETITION 2021* committee.

MOTIVATION AND GUIDELINES

1. This competition's challenge is to conduct research based on case study, which in this case means that the research is done by referring to statistics and other supporting data available online. The research topic will be about COVID-19, and it is limited to the ongoing pandemic or solutions to alleviate the pandemic.

2. These data will then be processed accordingly, and one (or more) conclusion can be made.

3. Furthermore, you can also propose solutions as a response towards the conclusion made.

4. If the conclusion does not need to be followed by a solution, you must state the assumptions needed in order to ensure the conclusion can be achieved in the future.

5. Here are a few examples of research topics. You can use these topics in your research, or you can create your own topic, as long as it can be considered challenging and still in the context of COVID-19 pandemic.
   a. Prediction on when COVID-19 pandemic ends in Indonesia or in the world.
   b. Various scenarios of Indonesia's laws/policies evaluation due to COVID-19
   c. The need for a new vaccine.
   d. A new breakthrough for vaccine distribution throughout the world.
   e. Other interesting topics related to COVID-19 proposed by participants.

6. It is important that your research is authentic and original. Any form of plagiarism will be dealt with severely and may end up in disqualification for the perpetrator.

7. The Poster and The Video basically should summarize your report in a creative way. Its presentation affects the decision of the judges. You must try to make your poster and video so that they can be understood not only by the judges but ultimately also to non-engineering individuals.

8. Try to position yourself as a person who is really anxious or paranoid of COVID-19 pandemic. Use this perspective to think about what kind of information this person really needs to get through this pandemic. This might help with your framework of thinking before starting your research.

9. Remember that there is also a winning category that challenges participants to get likes from Instagram posts of their poster. Therefore, make sure that your poster can pique viewer's interest. Refer to **INSTAGRAM CHALLENGE.**

REPORT REQUIREMENT

1. Report must be uploaded with file type : **PDF**
2. Report must contain **at least** :
   a. Title
   b. Introduction
   c. Literature Review (Statistics and other supporting data)
   d. Results
   e. Reference
3. Report must also include in-text citations when referring to a source. All references and in-text citations must be done in **APA** format.
4. Report Document Formatting:
   a. Font : Times New Roman
   b. Fontsize : 12 (Body)
   c. Margins : 2.54 cm (All)
   d. Spacing : 1.15
   e. Size : A4

POSTER REQUIREMENT

1. Poster must be uploaded with file type : **PNG** (High resolution)

2. Poster size is A3 with no crop marks or transparent pixels. Maximum file size is 10MB.

3. Poster must contain **at least** :

    a. Title

    b. Summary of the case study

    c. Charts and/or pictures

    d. Explanation for charts and/or pictures

4. Poster must contain no more than 300 words, excluding the participants' names and the title of the poster.

5. The only personal information that is allowed to be presented in the poster is the name or the nickname of the designer.

6. ***FAITH INTERNATIONAL COMPETITION 2021 logo*** must be included in the poster. (Refer to **APPENDIX 2** - **LOGO** in the **MASTER GUIDE BOOK**)
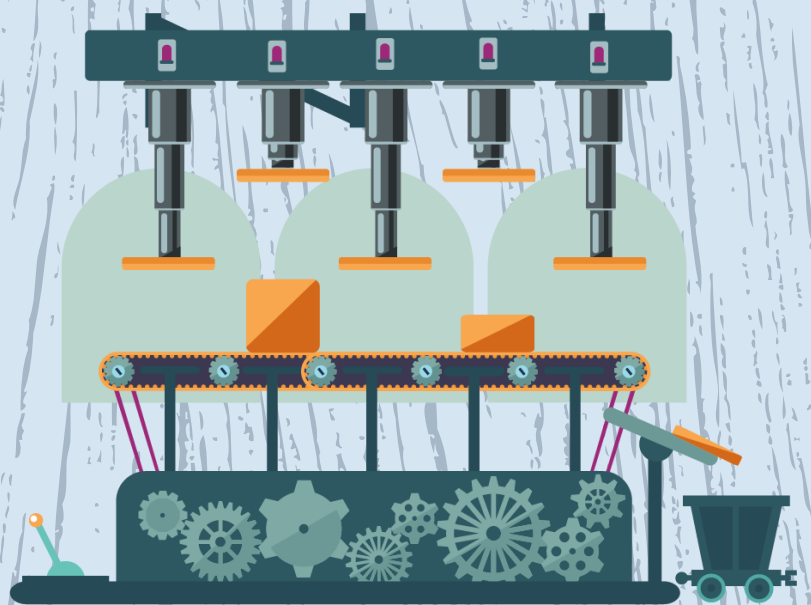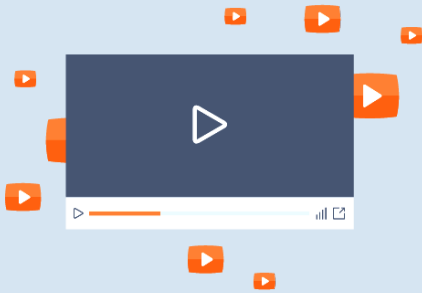
VIDEO REQUIREMENT

Video must be uploaded with file type : MP4.

Video resolution must be at least 360p and at most 720p.

The maximum file size of the video is 600 MB.

Video duration must be 4 - 8 minutes.

Video must contain at least introduction of participants, research results, and summary of contents from the report.

Participants must make an appearance in the video (not necessarily in the entire video).

Usage of artificial voice generators is STRICTLY PROHIBITED.

Any form of speech in the video must be done with clear pronunciation.

The only personal information that is allowed to be presented in the video is the name or the nickname of the video creators.

F*AITH INTERNATIONAL COMPETITION 2021 logo* must be included in the video. (Refer to APPENDIX 2 - LOGO in the MASTER GUIDE BOOK)

The logo may be shown in the beginning, in the end, or during the entire video.

EVALUATIONS CRITERIA AND SCORING

1. **Report - 50%**
   a. Reference Data Validity - 10%
      i. Data obtained from trusted sources.
      ii. Data is up to date.
      iii. Data is relevant to the research done.
   b. Main Content - 25%
      i. Framework of Thinking :
         • Reasonable
         • Logical
         • Realistic
         • Creative
      ii. Data Processing
      iii. Accuracy of causality in relating more than one data.
   c. Conclusion and Solution- 15%
      i. Conclusion General Criteria :
         • Logical
         • Realistic
         • Does not stray away from the main content
      ii. Conclusion must be accompanied by the pros and cons of the conclusion itself.
      iii. Solution General Criteria :
         • Logical
         • Realistic
         • Creative
         • Specific
         • Original

2. **Poster - 20%**
   a. Explanation - 10%
      i. Poster gives clear explanations.
      ii. Poster summarizes the research entirely
      iii. Contents are understood by non-engineering individuals.
   b. Poster Design - 10%
      i. Poster is easy to read.
      ii. Poster is designed in a creative and modern styling.

3. **Video - 30%**
   a. Explanation - 15%
      i. Video contains clear explanations.
      ii. Video summarizes the research entirely.
      iii. Contents are understood by non-engineering individuals.
      iv. Explanation must be done both visually and verbally.
   b. Video Design - 15%
      i. Effective usage of duration.
      ii. Creative and modern video design.
      iii. Clear content delivery.

INSTAGRAM CHALLENGE

1. Choose **one** of your team members to be the person to upload an instagram feed.
2. The instagram post will contain **only the poster** made by your team.
3. The upload period is 9 August 2021 – 13 August 2021.
4. Any uploads done past the upload period will be not be considered for judging
5. The challenge is to gather the most Likes in your post. This challenge will end on **14 August 2021.**
6. The caption of the post must follow this format :

   [FAITH INTERNATIONAL COMPETITION 2021]
   - TEAM ##
     - Member Name
     - Member Name
     - Member Name
7. The winner will be announced together on 16 August 2021.
8. Make sure to set your Instagram account to Public to allow FAITH International Competition 2021 committee members to check this challenge's posts.