Informatics Scientific Competition

TIMELINE
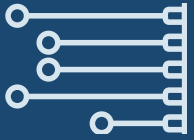
ONLINE REGISTRATION
May 17 – August 7, 2021

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

1. Start by reading what is expected from you in this competition.(Refer to **MOTIVATION AND GUIDELINES**)
2. Design your website.
3. Compress your website and all the supporting files into a .zip or similar extension.
4. Design your poster and video.
5. Upload your compressed website, poster, and video to Google Drive and compile them into **one folder**.
6. Set the folder so that **ANYONE WITH THE LINK** can access it.
7. Submit your Google Drive link at faith.petra.ac.id. Follow the instructions at the website.
8. Wait for further instructions from the *FAITH INTERNATIONAL COMPETITION 2021* committee.
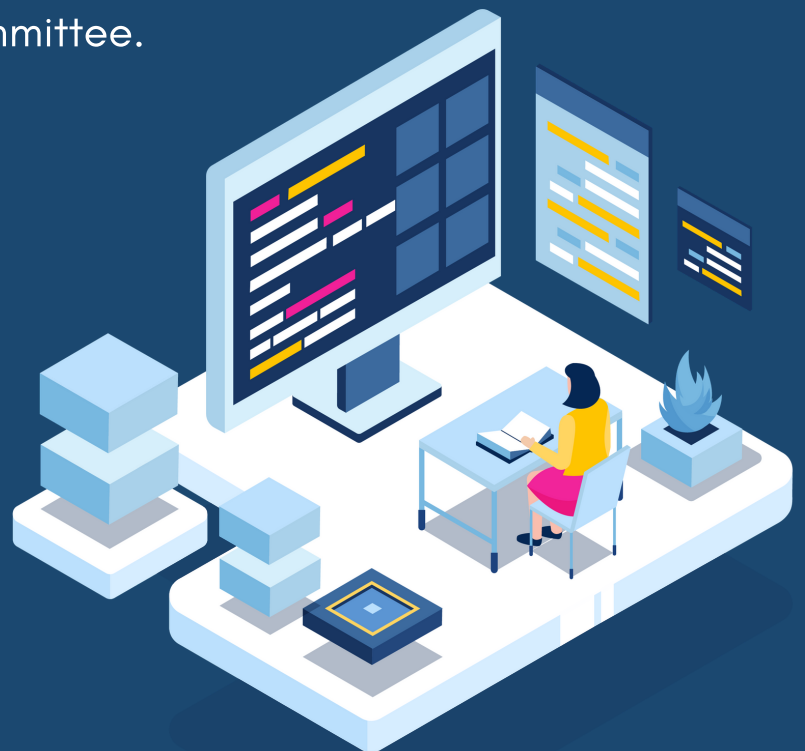
MOTIVATION AND GUIDELINES

1. The competition's challenge is to design a web-based application (website) that has high appeal and access potential during COVID-19 pandemic, accompanied by making a poster and a video to present the design and the mechanism of the web-based application created.
2. The contents of the web-based application must be about COVID-19. Here are some example topics that you can develop in your website:
   a. Vaccine Education or Simulation
   b. Travelling guide during COVID-19
   c. HOAX prevention during COVID-19
   d. Other interesting topics around COVID-19 that can be showcased in the web-based application
3. Start by asking these questions :
   a. How many hours do people spend in a day surfing the internet ?
   b. What do people search for the most regarding COVID-19 pandemic ?
   c. What kind of COVID-19 related websites get a significant increase of visitors ?
   d. What is new on COVID-19 ?
4. When you are building your website, remember that it has to be very interesting or maybe even *mind blowing.* The reason behind this thought is that there are more than 1 billion websites out there, and you have to compete with a lot of them.
5. You are free to add all kinds of features on your website. You may use all of the available website programming languages.
6. Remember that you are not just building a website, but you are also showcasing the contents of your website too. Even though you do not have to focus entirely on the contents of your website, you still need to put some thought into them.

MOTIVATION AND GUIDELINES

7. Make sure that your website and its contents are authentic, original, and new.

8. Make sure that your code is built and laid out properly since it is graded.

9. After finishing your website, you can start making your poster and video.

10. Your poster must contain screenshots of the highlights of your website. Explanations must be present in the poster in order to describe the images. You can also write down what you consider *mind blowing* and *brand new* about your website.

11. Your video must contain explanations on how to operate your website. This is an opportunity for your team to showcase the future and complexities that you have added on your website.

12. Try to create a realistic web-based application that has a future selling potential. If your web-based application wins this competition, you might actually have a chance of improving your product and make profit out of it in the future.

13. 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**.

WEBSITE REQUIREMENT

1. The Web Application must be compressed to 1 (one) file with .rar, .zip, or similar extensions. Unrecognized and inaccessible files will be deemed unacceptable for grading.
2. The Web Application must have a Responsive Web Design, which basically means that it can be optimally experienced on all devices. (e.g., Computers, Smartphones, Tablets, etc.)
3. The Web Application must contain at least :
   a. A sign-in/sign-up page
   b. A landing page
   c. A home page
   d. A header, a navigation bar, and a footer.
4. Optional features :
   a. Live animations with difficult placements
   b. Images with difficult placements
      (tilted, blended with others, etc.)
   c. Pop Up Menus
   d. Drop Down Menus
   e. Hovering features
      → e.g., showing gray color when cursor is hovered over a button
   f. Adaptive image display
      → e.g., size reduction of picture when a menu is opened next to it

WEBSITE REQUIREMENT

5. The website will be hosted locally by the judges for grading purposes via XAMPP web server. Participants must consider the following :

   a. Ensure that the database is compatible with the latest version of XAMPP.

   b. The accepted extension for the database is .sql. In order to prevent mismatch and inaccessibility, please use the .sql format.

   c. Ensure that when hosted, the back-end can be interacted with properly. To this end, local hosting via XAMPP is recommended.

      i. Download XAMPP via this link : https://drive.google.com/drive/folders/168quzAoKOHO4kT803vtI3kpN3RGBbFi0?usp=sharing

      ii. Follow the installation procedures.

      iii. Open the XAMPP control panel and start Apache and MYSQL.

      iv. Go to a web browser and open localhost/phpmyadmin.

      v. Create a new database on the sidebar and name it as desired.

      vi. Click import, and choose the desired .sql file, and choose charset utf-8. Click go.

      vii. Your database is now locally hosted.

      viii. To run your website locally, make sure that your website folder is inside the xampp/htdocs folder.

      ix. Go to your web browser, and go to localhost/xampp/htdocs/[folder name]. Your index page should be displayed by default.

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. Function of the product
   c. Summary of the how the product works
   d. 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

1. Video must be uploaded with file type : **MP4**.
2. Video resolution must be at least 360p and at most 720p.
3. The maximum file size of the video is 500 MB.
4. Video duration must be between 3 - 7 minutes.
5. Video must contain at least introduction of participants and a demonstration of using the web-based application.
6. Participants must make an appearance in the video (not necessarily in the entire video).
7. Usage of artificial voice generators is **STRICTLY PROHIBITED**.
8. Any form of speech in the video must be done with clear pronunciation.
9. The only personal information that is allowed to be presented in the video is the name or the nickname of the video creators.
10. **FAITH INTERNATIONAL COMPETITION 2021 logo** must be included in the video. (Refer to **APPENDIX 2 - LOGO** in the **MASTER GUIDE BOOK**)
11. The logo may be shown in the beginning, in the end, or during the entire video.

EVALUATIONS CRITERIA AND SCORING

1. **Web-Based Application Design – 60%**
   a. User Experience (UX) – 30%
      i. Variety
      ii. Functionality
      iii. Satisfies the four elements of UX :
         1. Value
         2. Usability
         3. Adoptability
         4. Desirability
   b. User Interface (UI) and Design – 15%
      i. Ease of navigation
      ii. Appropriate choice of theme and layout
      iii. Pleasing visual design
      iv. Proper Scalability
   c. Code and Documentation – 15%
      i. Clear and descriptive in-file documentation
      ii. Efficiency of code and processes

2. **Poster – 20%**
   a. Explanation – 10%
      i. Gives clear explanations on the website design
      ii. Points out the "new" aspect of the website contents
   b. Poster Design – 10%
      i. Easy to read
      ii. Creative and modern styling

3. **Video – 20%**
   a. Video Content – 10%
      i. Demonstrates the website operation completely.
      ii. Exhibit the importance or the need of this website.
   b. Video Design – 10%
      i. Effective usage of video duration
      ii. Creative and modern video styling
      iii. Clear and easy to understand

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.