

Bright Expo 2024

International Invention & Innovation Expo

*Exposition Internationale d'Invention et d'Innovation
Strasbourg, France*



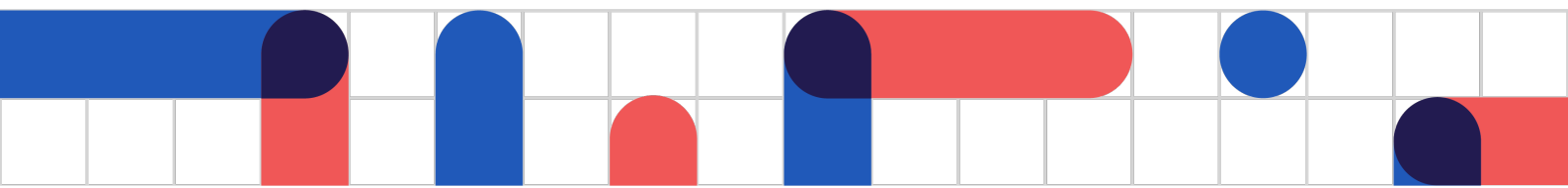
Bright Expo 2024 is an extraordinary global online event, set to take place on December 8th, 2024, dedicated to celebrating the spirit of invention and innovation. Organized by Bright Inventors, with the support of the Global Community of Innovation, Science, and Research, this exhibition offers a premier platform for inventors and innovators to present their groundbreaking ideas and pioneering solutions that hold the potential to reshape the world.

Participants will have the unique opportunity to explore cutting-edge inventions, engage with exhibitors, and immerse themselves in new ideas, Developing collaboration and expanding horizons. The Expo is designed to cultivate a dynamic community of inventors, innovators, intellectual property professionals, industry leaders, investors, and technology enthusiasts. By uniting diverse minds from around the world, the event seeks to ignite dialogue, inspire creativity, and pave the way for future breakthroughs.

Bright Expo 2024 offers a robust platform for networking, facilitating partnerships, investment opportunities, and mentorship. In a commitment to accessibility and inclusivity, the event will be held online, ensuring global participation and creating an enriching experience for all attendees. This virtual format promises an inspiring journey filled with discovery, celebrating the power of human imagination and the boundless potential of invention.

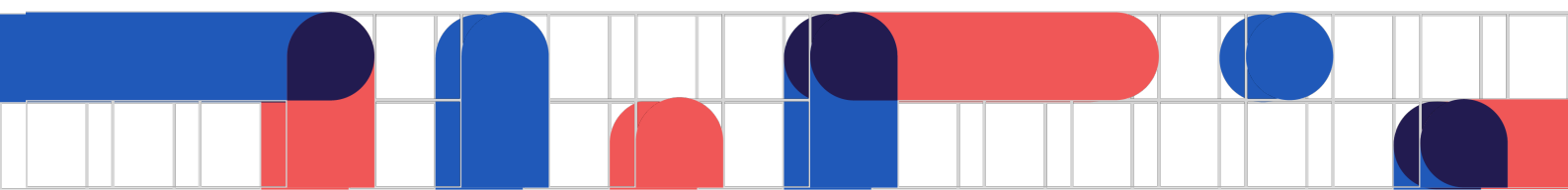
We invite you to join us as we light the torch of innovation and chart a course toward a future illuminated by the brilliance of human creativity. Register now to secure your place at the forefront of technological advancement.

Dr. Majed ALAZZAWI
President of Bright Inventors



The Bright Expo offers invaluable benefits and opportunities for inventors seeking to advance their innovations and make a significant impact. Here's how the expo can be a game-changer for inventors:

- 1. Global Showcase of Innovations:** The Bright Expo serves as a premier platform for inventors to present their work to a vast and diverse audience of industry professionals, potential customers, and fellow innovators from around the world.
- 2. Extensive Networking Opportunities:** This event is an excellent opportunity to connect with like-minded individuals, professionals in related fields, potential business partners, and investors who might be interested in supporting or collaborating on your projects.
- 3. Constructive Feedback and Validation:** Presenting your inventions to a broad audience provides the chance to receive valuable feedback that can enhance your innovations. Recognition from peers and industry leaders can also provide significant validation and boost confidence.
- 4. Intellectual Property Insights:** With the involvement of the World Invention Intellectual Property Associations, the expo offers a unique opportunity to learn about safeguarding your inventions through patents, copyrights, trademarks, and other intellectual property protections.
- 5. Opportunities for Collaboration:** The expo creates an environment ripe for collaboration, where inventors can meet potential partners who can help bring ideas to life or elevate existing inventions to new levels of success.
- 6. Access to Crucial Resources:** Inventors can discover a wealth of resources, including grants, funding opportunities, and tools that are essential for the development and commercialization of their inventions.
- 7. International Exposure:** As an online event, the Bright Expo offers inventors the chance to gain global visibility, opening doors to new markets and helping to build a worldwide network of contacts and supporters.



Age Range for Participation

The Bright Expo enthusiastically embraces innovative minds across all age groups, recognizing that creativity and innovation know no age limits. To ensure inclusivity, we have established five distinct participation categories:

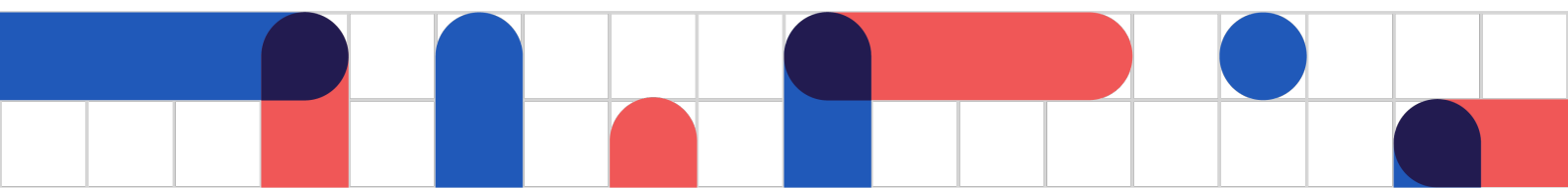
1. **Elementary Age Group:** Typically for ages 6 to 10.
2. **Middle School Age Group:** Typically for ages 11 to 13.
3. **High School Age Group:** Typically for ages 14 to 18.
4. **University Students:** For participants aged 18 and above.
5. **Open Category:** For inventors who don't fit into the other categories, because we firmly believe that the power of invention transcends age.

Please note that participants under the age of 18 must obtain parental or guardian consent to participate. We eagerly anticipate the diverse and unique inventions that each age group will bring to the expo. Together, let's cultivate a vibrant culture of innovation that spans all ages!

Bright Expo - Key Dates

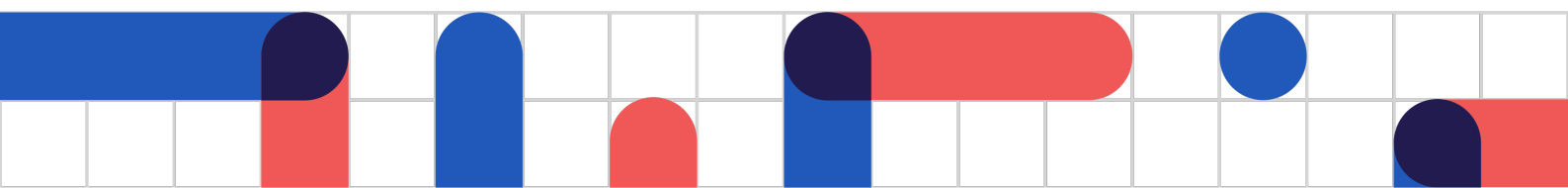
- **Registration Deadline: November 1, 2024** Ensure your participation in the Bright Expo by completing the registration process by November 1, 2024. This includes submitting the registration form, a two-page essay, and any other required documents. Don't miss this opportunity to be a part of this global event.
- **Judging Period: November 22-29, 2024** The judging process will occur from November 22 to November 29, 2024. During this time, participants will either take part in an online judging session or submit a pre-recorded video presentation of their project for evaluation.
- **Announcement of Results: December 8, 2024** The results of the Bright Expo will be officially announced on December 8, 2024.

Be sure to mark these important dates on your calendar, and join us in making the Bright Expo a resounding success!



Categories

- **Artificial Intelligence and Robotics**
- **Sustainable and Renewable Energy**
- **Biotechnology and Life Sciences**
- **Information and Communication Technology**
- **Environmental Science and Green Technology**
- **Material Science and Engineering**
- **Medical and Health Innovation**
- **Transportation and Aerospace Innovation**
- **Agricultural and Food Technology**
- **Chemical Engineering and Industrial Processes**
- **Educational Technology and Services**
- **Social Innovation and Community Services**
- **Consumer Electronics and Gadgets**
- **Entertainment and Media Technology**
- **Smart Cities and Urban Development**
- **Fintech and Financial Innovation**
- **Wearable Technology and IoT**
- **Supply Chain and Logistics**
- **Water Resources and Management**
- **Advanced Manufacturing and Industry 4.0**
- **Humanitarian Technology and Disaster Management**
- **Sports and Fitness Technology**
- **Virtual Reality and Augmented Reality**
- **Blockchain and Cryptocurrencies**
- **3D Printing and Additive Manufacturing**
- **Automotive and Mobility Solutions**
- **Cultural Heritage and Preservation Technologies**
- **Quantum Computing and Advanced Computing**
- **Textile and Fashion Technology**
- **Food and Beverage Innovation**
- **Public Health and Safety Innovations**
- **Home Automation and Smart Living**
- **Tourism and Hospitality Innovation**
- **Legal Tech and Regulatory Compliance**
- **Aerospace Engineering and Space Exploration**
- **Gaming and Interactive Media**
- **Pet and Animal Care Technology**
- **Recycling and Waste Management**
- **Remote Sensing and Geographic Information Systems**
- **Nanotechnology and Microfabrication**
- **Assistive Technologies and Accessibility Solutions**

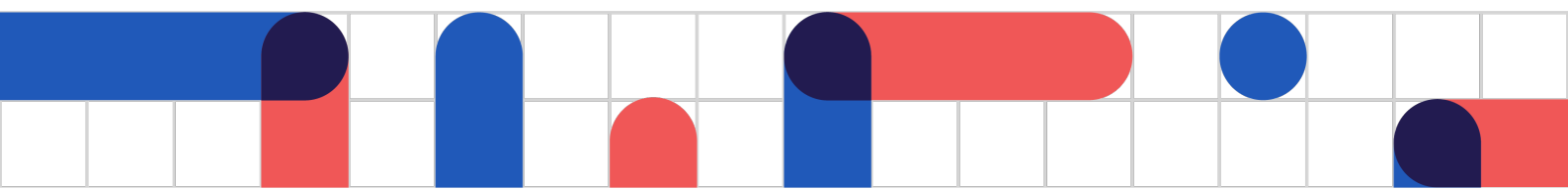


Programming and AI Section

The Programming and AI Section of the Bright Expo highlights innovative projects in software development, artificial intelligence, and machine learning. This section demonstrates how programming and AI are essential in solving complex challenges, automating processes, and creating smart systems that can learn and adapt.

Key Areas of Focus:

- 1. Artificial Intelligence Applications:**
 - Projects that utilize AI to create intelligent systems, such as natural language processing, computer vision, predictive analytics, and autonomous systems.
- 2. Machine Learning Models:**
 - Innovations involving the development and implementation of machine learning algorithms for various applications, including classification, regression, clustering, and recommendation systems.
- 3. Software Development:**
 - Creative software solutions that address specific needs, from web and mobile applications to custom software tools designed for particular industries.
- 4. Automation and Robotics:**
 - Projects that integrate programming and AI to automate processes, including robotics applications, industrial automation, and smart systems.
- 5. Data Science and Analytics:**
 - Initiatives that focus on the analysis and interpretation of large datasets to derive insights, inform decision-making, or drive AI models.
- 6. IoT and Smart Systems:**
 - Innovations that combine AI with the Internet of Things (IoT) to create smart environments, such as smart homes, cities, or industrial systems.
- 7. Cybersecurity:**
 - Projects aimed at enhancing security through AI-driven threat detection, risk assessment, and the development of secure programming practices.



Judging Criteria

To ensure a fair and effective evaluation of the inventions showcased at the Bright Expo, the following judging criteria will be applied. These criteria are designed to maintain transparency, consistency, and fairness in the judging process, ensuring that all inventors are assessed based on their merits.

1. Innovation and Originality (30%)

This criterion assesses the novelty of the invention. Judges will look for ideas that represent significant advancements over existing products or solutions. This could include entirely new concepts or substantial improvements to existing ideas that add value or change current practices.

2. Practicality and Usability (20%)

This evaluates how practical the invention is for its intended use. A successful invention should be user-friendly and reliable, effectively solving a problem or meeting a need in a practical and efficient manner.

3. Market Potential (20%)

Judges will assess the potential demand for the invention, considering the size of the target market and how well the invention addresses its needs. The inventor's plans for commercialization and market entry will also be taken into account.

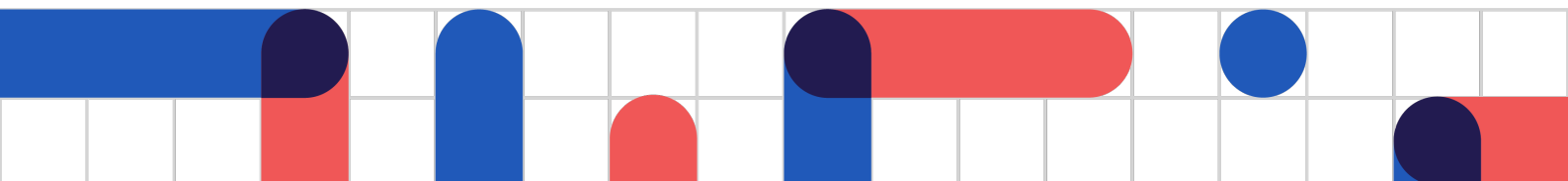
4. Sustainability (15%)

This criterion evaluates the environmental impact of the invention. Judges will consider factors such as the materials used, the manufacturing process, the product's lifespan, and its disposal. Inventions that minimize environmental impact and contribute to sustainability will receive higher scores.

5. Presentation and Demonstration (15%)

This criterion focuses on how effectively the inventor presents their invention. Judges will evaluate the quality of the presentation, the clarity with which the inventor explains their invention, and the effectiveness of the demonstration. Good communication skills are crucial for bringing an invention to market, and this will be reflected in the scoring.

All judges will utilize a detailed scoring rubric to ensure consistency in their evaluations. The scores for each criterion will be combined to generate a final score for each invention. The highest-scoring inventions will then be eligible for awards and recognition.



Participation Guide for Bright Expo

Step 1: Access the Website (brightexpo.org)

Visit the official Bright Expo website. Navigate to the 'Registration' tab and click on it to begin your registration process.

Step 2: Submit Basic Information

Complete the initial registration form by providing the required basic information. Once all fields are filled out, submit the form.

Step 3: Await Email Instructions

After successfully submitting the basic information, you will receive an email with further instructions. This email will contain detailed registration forms and a list of required documents for your participation.

Step 4: Complete Detailed Registration and Document Submission

Fill out the detailed registration forms as per the instructions in the email. Prepare and submit the necessary documents as outlined. Ensure that all submissions are accurate and complete.

Step 5: Project Acceptance

You will be notified via email if your project is accepted for participation. This email will include an invitation to an online judging meeting. Please note that your project's acceptance is based on the evaluation of the submitted information and documents.

Step 6: Participation in Online Judging Meeting

If invited, participate in the online judging meeting where you will present your invention to the judges. If you are unable to attend the online meeting, you may submit a pre-recorded video presentation of your project. This video should clearly demonstrate and explain your invention and its potential impact.

Additional Notes:

- Some projects/inventions may not require a live presentation; in such cases, the judges will evaluate the project solely based on the provided documents.
- Each team is required to create a presentation about their project, which must be a maximum of 10 slides.
- Additionally, teams need to record a video presentation, with a maximum duration of 5 minutes.
- All files must be uploaded to a cloud storage service with open access. If access is restricted, the judges will not evaluate your project.

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