

RAS AL KHAIMAH INNOVATION & SUSTAINABILITY CHALLENGE RISC 2024

An Initiative of



ABOUT

- RAS AL KHAIMAH INNOVATION & SUSTAINABILITY CHALLENGE (RISC) 2024 is an initiative designed by the University of Bolton RAK (UOB) & RAKEZ Academic Zone aiming to raise awareness and challenge RAK school and university students on sustainability issues and design potential solutions.
- This challenge intends to welcome innovative ideas and concepts in support of sustainability, which is one of the themes of the 2024 IWAM conference.
- Students across all the schools & universities in RAK will be invited to join the RAK INNOVATION & SUSTAINABILITY CHALLENGE (RISC) 2024 and produce innovative solutions to the problems identified.

OVERVIEW

Open to: All students across schools & universities in Ras al Khaimah

Goal: Address sustainability challenges through innovative solutions

Highlights:

- Showcase student creativity & ingenuity
- Emphasis on practical, real-world solutions
- Networking with industry experts

Impact: Align with global sustainability goals & COP28.

Call to Action: Be today's innovator for a sustainable tomorrow!



TIMELINE



Main Theme

Sustainability Through Innovation

Subthemes:

- Energy
- Environment
- Sustainability
- Water (resources)

ABOUT THE CHALLENGE

- Open to Grade 1-5 students
- Can participate in Poster, Photography and Coloring competition
- Each participating schools in RAK can send 3 teams from each category.
- To enter the competition, students are required to submit an innovative idea around the theme, using creativity and originality
- Judges will select the best 5 teams in each category as winners
- The 5 shortlisted team will be provided with the opportunity to present their work at the IWAM Conference which is a prestigious event attended by Nobel Laureates, Researchers and Professors.
- The first 3 winners from the IWAM Conference will be awarded Cash Prize

————— **1st Place AED 1000**

————— **2nd Place AED 500**

————— **3rd Place AED 300**



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CHALLENGE GUIDELINES

Extensive Research :

Dive deep into current sustainability issues.

Familiarize yourself with ongoing efforts and gaps in solutions.

Innovation is Key:

Your solution should be original and groundbreaking.

Think outside the box. Old problems often need fresh perspectives.

Societal Impact:

Your solution should positively impact society.

Gauge potential public acceptance and societal benefits.

Economic Viability:

Assess the feasibility of your solution in real-world scenarios.

Consider costs, scalability, and potential economic benefits.



POSTER COMPETITION



Poster Competition

- An arena where creativity converges with science and innovation.
- Rooted in the transformative themes of COP28, this contest serves as a beacon for students to visually encapsulate their most groundbreaking ideas, novel projects, or impactful research.
- A poster is more than just a presentation—it's a canvas that speaks volumes, telling stories of possibilities, solutions, and hope for a sustainable future.
- As the world tunes in to the dialogues of COP28, we invite the next generation of thinkers, leaders, and innovators to translate their visions onto this canvas, using the power of imagery, design, and succinct narratives.
- Dive in, explore the depths of sustainability, and showcase how your perspective aligns with global objectives.
- Let your poster be the voice that inspires change



Themes

■ "Our Planet, Our Home"

Encouraging students to depict Earth as our shared home, highlighting the importance of taking care of it. Imagery might include diverse landscapes, animals, plants, and examples of pollution to combat.

■ "Energy for the Future"

Exploring renewable energy sources like solar, wind, and hydro power. Students can create posters showing how these alternatives are cleaner and safer for the environment than fossil fuels.

■ "Conserving Water, Sustaining Life"

Emphasizing the importance of water conservation. Imagery might include ways to save water in daily life, the impact of droughts, or the importance of clean water for all living beings.

■ "A World of Biodiversity"

Celebrating the variety of life on Earth. Posters might depict various ecosystems, endangered species, and the importance of maintaining biodiversity for global health and stability.

■ "Climate Change Challenges"

Understanding the impact of climate change. Students could illustrate the effects of climate change on different parts of the world, potential solutions, or ways to reduce our carbon footprint.





RISC 2024 Poster Competition Guidelines

Objective Alignment:

- Ensure your poster directly addresses and supports one or more themes.

Content:

- Clearly state the primary idea or research focus.
- Use concise, clear, and impactful text. Cite any data, research, or external sources used.

Design & Layout:

- Utilize a clean, organized layout with a logical flow.
- Incorporate high-resolution visuals (images, graphs, infographics) that complement and enhance the content.
- Stick to a consistent color palette and font scheme that maintains readability.

Size & Format:

- Posters must be designed for either A2 size paper.
- Submit digital copies in high resolution PDF format.

Originality:

- Ensure all content is original or properly credited.
- Avoid using copyrighted material unless permission is granted.

Inclusion:

- At the top, include the title of the project, names of the authors/students, and the name of the school/university

Submission Process

- Use the official submission portal
- Make sure to receive a submission confirmation.

Judgement Criteria



- Message conveyed by the poster- **25 points**
- Relevance to the theme- **20 points**
- Innovation- **15 points**
- Originality- **10 points**
- Poster appearance- **10 points**
- Artistic composition- **5 points**
- Clarity- **10 points**
- Creativity- **5 points**

"THE THIRD EYE" PHOTOGRAPHY CONTEST



Photography Competition

- This contest aims to spotlight moments, places, and stories that echo the vital need for sustainable living. Whether you're a novice or a seasoned shutterbug, let your photos speak volumes, narrate tales, and inspire change for a brighter tomorrow.
- Seeks to capture the profound intersection of nature, humanity, and progress through the lens of aspiring photographers. Encouraging participants to view our world with a renewed perspective.
- Photographs entered the contest must help communicate sustainability issues/solutions through imagery.



The Third Eye Photography Contest Themes

- **Nature's Resilience:**

Focus on nature's ability to rebound, whether it's flowers growing in urban settings or wildlife adapting to city life.

- **Human Footprint:**

Depict the direct impact of human actions on the environment, both negative (like pollution) and positive (like afforestation).

- **Water's Essence:**

Highlight the significance of water in our lives, showcasing its various forms or how communities come together around water bodies.

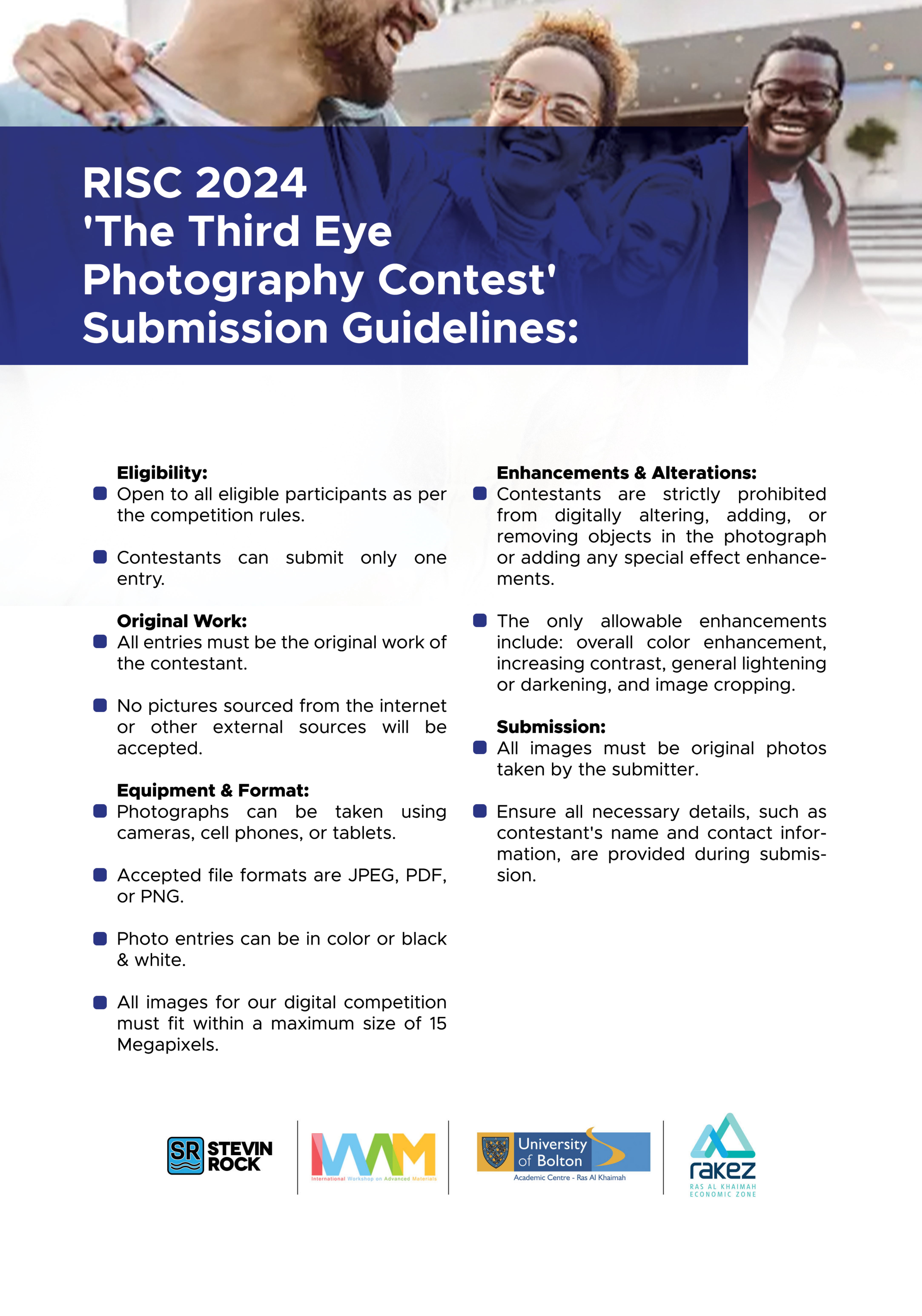
- **The Green Urban:**

Focus on the incorporation of green spaces, plants, and trees in an urban or architectural setting.

- **Sustainable Lifestyles:**

Showcase sustainable living practices, from eco friendly homes to communities practicing zero waste.





RISC 2024 'The Third Eye Photography Contest' Submission Guidelines:

Eligibility:

- Open to all eligible participants as per the competition rules.
- Contestants can submit only one entry.

Original Work:

- All entries must be the original work of the contestant.
- No pictures sourced from the internet or other external sources will be accepted.

Equipment & Format:

- Photographs can be taken using cameras, cell phones, or tablets.
- Accepted file formats are JPEG, PDF, or PNG.
- Photo entries can be in color or black & white.
- All images for our digital competition must fit within a maximum size of 15 Megapixels.

Enhancements & Alterations:

- Contestants are strictly prohibited from digitally altering, adding, or removing objects in the photograph or adding any special effect enhancements.
- The only allowable enhancements include: overall color enhancement, increasing contrast, general lightening or darkening, and image cropping.

Submission:

- All images must be original photos taken by the submitter.
- Ensure all necessary details, such as contestant's name and contact information, are provided during submission.

Judgement Criteria

Relevance and Interpretation of the Theme (30 marks):

- Alignment with sustainability: Does the photograph directly relate to and clearly communicate a sustainability topic or concern? (10 marks)
- Depth of message: Does the photograph convey a profound/insightful message or evoke a strong emotional response related to sustainability? (10 marks)
- Creativity and originality: Does the entry present the theme in a unique, imaginative, or innovative manner? (10 marks)

Visual Impact and Composition (25 marks):

- Aesthetic appeal: Does the photo catch the eye and hold the viewer's attention? (10 marks)
- Composition: Are the elements of the photo (e.g., lighting, colors, subjects, background) well-arranged to create a harmonious whole? Does it follow or artistically break rules of composition (e.g., rule of thirds, leading lines)? (10 marks)
- Perspective and viewpoint: How effectively does the photographer's choice of perspective or viewpoint contribute to the photograph's overall impact? (5 marks)

Technical Excellence (20 marks):

- Focus and clarity: Is the subject of the photograph in sharp focus? Is the image clear? (10 marks)
- Lighting: Does the lighting enhance the subject and the overall image? Are shadows and highlights used to good effect? (5 marks)
- Post-processing quality: Are editing techniques used effectively to enhance the photo, without overdoing effects? (5 marks)

Narrative and Context (15 marks):

- Storytelling: Does the photograph tell a story about sustainability? (8 marks)
- Contextual understanding: Is it clear where and under what circumstances the photo was taken? Does the viewer gain insight into the sustainability issue at hand? (7 marks)

Overall Impression (10 marks):

- Does the photograph leave a lasting impression? Is it memorable or powerful in its message, visual impact, or technical excellence? (10 marks)

COLORING/DRAWING CONTEST



Coloring /Drawing Competition

- Coloring /Drawing contest aims to promote awareness in sustainability issues /solutions.
- Contestants are encouraged to present their unique perspective on sustainability and climate change, ensuring authenticity and creativity in their submissions.



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Coloring/Drawing Contest Themes

■ **Futurescape**

Imagining Tomorrow's Sustainable World

Visioning a planet where humans, technology, and nature coexist harmoniously.

■ **Flora and Fauna Flourish:**

Draw a world where endangered species thrive and deforested areas come back to life.

■ **Water Wisdom:**

Showcase the importance of water conservation and clean water for everyone.

■ **Cities of Tomorrow:**

Visualize a city where green roofs, vertical gardens, and efficient transportation dominate.

■ **Nature's Symphony:**

Illustrate the harmony between different elements of nature in a balanced environment.





Coloring/Drawing Contest Guidelines

- **This will be a on-site competition**

- Medium of Art:**

- Artworks can be created using the following mediums:
- **Dry Colors:** This includes crayons, colored pencils, Staedtler pencils, and dry pastels. Watercolors encompasses cake colors, watercolors, poster colors, and acrylic colors.
- **Oil-Based Colors:** Such as oil paints or canvas colors.
- **Contestants should bring coloring and drawing materials.**

- **Papers will be provided on-site**

- Originality:**

- All artwork must be the original work of the participant. Any form of plagiarism will result in disqualification.

Judgement Criteria

- Interpretation and the clarity of the theme to the viewer- **30 points**
- Creativity and originality of the depicted theme- **30 points**
- Quality of artistic composition and overall design based on the theme- **20 points**
- Overall impression of the art. What is the effect of the artwork in general and as a whole? Overall, does the artwork stand on its own as a complete and outstanding work of art?- **20 points**