



**American International University - Bangladesh**



**Office of Student Affairs Presents**



**Organized By**



**AIUB Computer Club**

**Association With**



**Department of Computer Science**



## AIUB CS Fest 2024

### Call For Participation

Dear students, we are delighted to announce that Office Of Student Affairs presents AIUB CS Fest 2024 organized by AIUB Computer Club. This four-day competition will take place at the AIUB campus from April 25th to April 28th, 2024. Students from all schools and colleges are warmly invited to participate in this exciting event.

Register yourself at: <https://csfest.aiubcc.org>

Registration Start: Open now

Registration Ends: 23rd April, 2024

CS Fest Event link: <https://fb.me/e/99q66IwvR>

Facebook Page: <https://www.facebook.com/aiubcomputerclub>

### Events Rules and Regulations and Contact Points

#### **App showcasing (For AIUB Students):**

- Venue: AIUB premises
- Date: TBA
- Time: TBA

#### **Rules & Regulation**

General Instructions:

Team Formation:

- Group [Maximum 4 members] or Individual.

Student Validity:

- Participants must be current regular undergraduate students of AIUB.

Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.

Requirements:

- Apps can be in different forms like Windows/Android/java/C#/Web (Any platform ex: php or [asp.net](https://www.asp.net/)).

Registration Link: <https://csfest.aiubcc.org/app-showcasing-aiubian/>



## Points of Contact [Faculty Members]

1. MIR MD KAWSUR  
Room: DN0622  
Email: [kawsur@aiub.edu](mailto:kawsur@aiub.edu)
2. SAZZAD HOSSAIN  
Room: DN0624  
Email: [sazzad@aiub.edu](mailto:sazzad@aiub.edu)

## Science Project Showcasing (School and College):

- Venue: AIUB Premises
- Date: TBA
- Time: TBA

### Rules & Regulations

#### General Instructions:

#### Team Formation:

- Group [Maximum 4 members] or Individual.

#### Student Validity:

- The participants must be from school/college.
- Participants who are not enrolled in any university and attended the HSC, A-level, or other equivalent exams in 2022 and 2023 will be allowed to play in the school/college category.

#### Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.

Registration Link: <https://csfest.aiubcc.org/science-project-showcasing-school-college/>

## Points of Contact [Faculty Member]

1. MD. MAZID-UL-HAQUE  
Room: DN0125  
Email: [mazid@aiub.edu](mailto:mazid@aiub.edu)

## Programming Contest (For AIUB Students):

- Venue: AIUB Premises
- Date: TBA
- Time: TBA



## Rules & Regulations

### General Instructions:

#### Team Formation:

- Individual [No team registration is allowed].

#### Student Validity:

- The participants must be current undergraduate students of AIUB
- Participant Categories: There are 3 categories.
  1. Senior Category: 20-1 to 22-1
  2. Junior Category: 22-2 to 24-1
  3. Girls' Category: Any Current Student of AIUB

#### Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.

#### Domain of Interest:

- You have to keep your knowledge of basic programming.

#### Constraints:

- Calculator or any softcopy or Internet is not allowed but hardcopy (book, hand note, photocopy) is allowed.
- There will be a preliminary online test, and selected candidates will be called to attend the contest on campus.

Registration Link: <https://csfest.aiubcc.org/programming-contest-aiubian/>

## Points of Contact [ACM Instructor]

1. Israfil Diganta  
Email: [israfilDiganta123@gmail.com](mailto:israfilDiganta123@gmail.com)

## Programming Contest (School and College):

- Venue: AIUB Premises
- Date: TBA
- Time: TBA

## Rules & Regulations

### General Instructions:

#### Team Formation:

- Individual [No team registration is allowed].

#### Student Validity:

- The participants must be from school/college.
- Participants who are not enrolled in any university and attended the HSC, A-level, or other equivalent exams in 2022 and 2023 will be allowed to play in the school/college category.

#### Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.

#### Domain of Interest:

- You have to keep knowledge of basic programming.



## Constraints:

- Calculator or any softcopy or Internet is not allowed but hardcopy (book, hand note, photocopy) is allowed.
- There will be a preliminary online test, and selected candidates will be called to attend the contest on campus.

Registration Link: <https://csfest.aiubcc.org/programming-contest-school-college/>

## Points of Contact [ACM Instructor]

1. ABDULLAH ALL RAWAHA ANIK  
Email: [rawaha.anik.1@gmail.com](mailto:rawaha.anik.1@gmail.com)

## Story/Content Writing Contest (For AIUB Students):

- Venue: AIUB premises
- Date: TBA
- Time: TBA

## Rules and Regulations

### General Instructions:

#### Team Formation:

- Individual [No team registration is allowed].

#### Student Validity:

- The participants must be current undergraduate students of AIUB.
- Participants must register through the provided link.

#### Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.

#### Domain of the Content/Story:

- For Undergraduate Students of AIUB (বাংলা): ব্যাচেলর স্টুডেন্ট লাইফ
- For Undergraduate Students of AIUB (English): Artificial Intelligence.

#### Duration:

- 30 minutes for brainstorming, 60 minutes for writing the content.

Registration Link: <https://csfest.aiubcc.org/story-content-writing-contest-aiubian>

## Points of Contact [Faculty Member]

1. NYME AHMED  
Room: DN0227C  
Email: [nyme.ahmed@aiub.edu](mailto:nyme.ahmed@aiub.edu)



## Story/Content Writing Contest (School and College):

- Venue: AIUB Premises
- Date: TBA
- Time: TBA

### Rules & Regulations

#### General Instructions:

#### Team Formation:

- Individual [No team registration is allowed].

#### Student Validity:

- The participants must be from school/college.
- Participants who are not enrolled in any university and attended the HSC, A-level, or other equivalent exams in 2022 and 2023 will be allowed to play in the school/college category.

#### Participant Categories:

- There are 2 categories.
- 1. Category 1: Class 6 to Class 8.
- 2. Category 2: Class 9 to Class 12.

#### Domain of the Content/Story:

- For Class 6 to Class 8 (বাংলা): খেলাধুলা / গেইমস
- For Class 6 to Class 8 (English): Usage of Internet
- For Class 9 to Class 12 (বাংলা): ডিজিটাল বাংলাদেশ
- For Class 9 to Class 12 (English): Transportation in Bangladesh

Duration: 30 minutes for brainstorming, 60 minutes for writing the content.

#### Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.

#### Constraints:

- Calculator or any hardcopy or Internet is not allowed.
- Any Electronic Device is not allowed.

Registration Link: <https://csfest.aiubcc.org/story-content-writing-contest-school-college/>

#### Points of Contact [Faculty Member]

1. NYME AHMED  
Room: DN0227C  
Email: [nyme.ahmed@aiub.edu](mailto:nyme.ahmed@aiub.edu)



## Poster presentation/ Idea prototype (For AIUB Students):

- Venue: AIUB premises
- Date: TBA
- Time: TBA

### Rules and Regulations

#### General Instructions:

#### Team Formation:

- Group [Maximum 4 members] or Individual.

#### Student Validity:

- The participants must be current undergraduate students of AIUB.

#### Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.

#### Poster Rules

- Each poster must contain the title of the poster, name & id of each group member.
- The poster's design and content should strongly represent the information that the designers want to convey to the viewers.
- All presentation materials must be in printed form; Digital Mediums like Online Content or PowerPoint slides are not permissible.

#### Areas of Interest:

- Any concept or ideas that don't go against the clubs' standards can be used.
- Humorous concepts portray any event of AIUB but which must not defame any Faculty/Staff of AIUB.
- Any sprouting social issues without bias to any political/religious views can be solved using any method.

#### Constraints:

- All contents of the poster should be original. Content that is copyrighted to someone else should not be in your poster.
- No content of the poster should negatively criticize any social issue or any person.

Registration Link: <https://csfest.aiubcc.org/poster-presentation-idea-prototype-aiubian/>

### Points of Contact [Faculty Member]

1. SAZZAD HOSSAIN  
Room: DN0624  
Email: [sazzad@aiub.edu](mailto:sazzad@aiub.edu)

## Poster Presentation/Idea Prototype (School and College):

- Venue: AIUB Premises
- Date: TBA
- Time: TBA





## Rules & Regulations

### General Instructions:

#### Team Formation:

- Group [Maximum 4 members] or Individual.

#### Student Validity:

- The participants must be from school/college.
- Participants who are not enrolled in any university and attended the HSC, A-level, or other equivalent exams in 2022 and 2023 will be allowed to play in the school/college category.

#### Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.

#### Poster Rules

- Each poster must contain the title of the poster, name & id of each group member.
- The poster's design and content should strongly represent the information that the designers want to convey to the viewers.
- All presentation materials must be in printed form; Digital Mediums like Online Content or PowerPoint slides are not permissible.

#### Constraints:

- All contents of the poster should be original. Content that is copyrighted to someone else should not be in your poster.
- No content of the poster should negatively criticize any social issue or any person.

Registration Link: <https://csfest.aiubcc.org/poster-presentation-idea-prototype-school-college/>

## Points of Contact [Faculty Member]

1. TANVIR AHMED  
Room: DNGA09  
Email: [tanvir.ahmed@aiub.edu](mailto:tanvir.ahmed@aiub.edu)

## ICT Olympiad (For AIUB Students):

- Venue: AIUB Premises
- Date: TBA
- Time: TBA

## Rules & Regulations

### General Instructions:





## Team Formation:

- Individual [No team registration is allowed].

## Student Validity:

- The participants must be current undergraduate students of AIUB.

## Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.

## Question Type: MCQ

Duration: 60 minutes

## Constraints:

- Calculator or any hardcopy or Internet is not allowed.
- Any Electronic Device is not allowed.

Registration Link: <https://csfest.aiubcc.org/ict-olympiad-aiubian/>

## Points of Contact [Faculty Member]

1. SYED NAFIUL SHEFAT

Room: DN0127B

Email: [nafiul.shefat@aiub.edu](mailto:nafiul.shefat@aiub.edu)

## ICT Olympiad (School and College):

- Venue: AIUB Premises
- Date: TBA
- Time: TBA

## Rules & Regulations

### General Instructions:

#### Team Formation:

- Individual [No team registration is allowed].

#### Student Validity:

- The participants must be from school/college.
- Participants who are not enrolled in any university and attended the HSC, A-level, or other equivalent exams in 2022 and 2023 will be allowed to play in the school/college category.

#### Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.
- Participant Categories: There are 2 categories.
  1. Category 1: Class 9 to Class 10.
  2. Category 2: Class 11 to Class 12.

#### Question Type: MCQ.

Duration: 60 minutes.



## Constraints:

- Calculator or any hardcopy or Internet is not allowed.
- Any Electronic Device is not allowed.

Registration Link: <https://csfest.aiubcc.org/ict-olympiad-school-college/>

## Points of Contact [Faculty Member]

1. SYED NAFIUL SHEFAT  
Room: DN0127B  
Email: [nafiul.shefat@aiub.edu](mailto:nafiul.shefat@aiub.edu)

## Math Olympiad (For AIUB Students):

- Venue: AIUB Premises
- Date: TBA
- Time: TBA

## Rules & Regulations

### General Instructions:

#### Team Formation:

- Individual [No team registration is allowed].

#### Student Validity:

- The participants must be current undergraduate students of AIUB.

#### Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.

Duration: 60 minutes.

#### Constraints:

- Calculator or any hardcopy or Internet is not allowed.
- Any Electronic Device is not allowed.

Registration Link: <https://csfest.aiubcc.org/math-olympiad-aiubian/>

## Points of Contact [Faculty Member]

1. MD SAJID BIN- FAISAL  
Room: DS0601C  
Email: [sajid@aiub.edu](mailto:sajid@aiub.edu)

## Math Olympiad (School and College):

- Venue: AIUB premises
- Date: TBA
- Time: TBA



## Rules and Regulations

### General Instructions:

#### Team Formation:

- Individual [No team registration is allowed].

#### Student Validity:

- The participants must be from school/college.
- Participants who are not enrolled in any university and attended the HSC, A-level, or other equivalent exams in 2022 and 2023 will be allowed to play in the school/college category.
- Participant Categories: There are 3 categories.
  1. Category 1: Class 6 to Class 8.
  2. Category 2: Class 9 to Class 10.
  3. Category 3: Class 11 to Class 12.

#### Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.

Duration: 60 minutes

#### Constraints:

- Calculator or any hardcopy or Internet is not allowed.
- Any Electronic Device is not allowed.
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Registration Link: <https://csfest.aiubcc.org/math-olympiad-school-college/>

## Points of Contact [Faculty Member]

1. MD SAJID BIN- FAISAL  
Room: DS0601C  
Email: [sajid@aiub.edu](mailto:sajid@aiub.edu)

## Robot Soccer (For AIUB Students):

- Venue: AIUB Premises
- Date: TBA
- Time: TBA

## Rules & Regulations

### General Instructions:

#### Team Formation:

- Group [Maximum 4 members] or Individual.
- Maximum 2 members can enter the arena of the match.

#### Student Validity:

- The participants must be current undergraduate students of AIUB.

#### Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.

#### Game Rules:

- Two teams will face each other in every match.



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- If no team can secure a goal, then the winner will be the team whose possession is more.
- If 2 bots stack for more than 5 seconds, re-center and start the match.
- If there is draw in semi-final, quarter-final, and final matches, each team gets 3 penalty kicks.
- In the 5 minute matches, there will be a 1-minute break.
  1. Side change after half time.
  2. Bots can fix existing issues during the break but cannot add new features.
- Blocking the ball for more than 3/4 seconds results in negative points. Re-center and restart the match.
- In any circumstances, the Referee's decision will be considered as final decision.

Duration: Each match's duration will be 5 minutes.

Constraints:

- The substitution of robots during the competition within the team or with other teams is forbidden.
- Any kind of harmful tools both opponent and arena are prohibited.
- Any kind of robot that catches/grabs objects is strictly prohibited.
- Brackets can be used. Dimension: Maximum length = 5 cm, Maximum Width = 10 cm. Brackets should be made with hard surfaces, any type of soft surface like cloth or felt can't be used.
- Each team can bring more than one bot. But only one bot can play at one match.
- The bot can be controlled by any wireless device. No wired communication is allowed.
- The bot can be powered by a maximum of 24 volts.
- Dimension: Maximum length = 20 cm, maximum width = 20 cm (without wheel) & 25 cm (with wheel).
- Maximum weight = 5 kg.
- The robot must not emit infrared light. However, optical sensors (e.g. infrared-distance-sensors) may be used if they do not affect other robots.
- The bot will be semi-autonomous or manual.

Registration Link: <https://csfest.aiubcc.org/robot-soccer-aiubian/>

Points of Contact

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## Robot Soccer (School and College);

- Venue: AIUB Premises
- Date: TBA
- Time: TBA

## Rules & Regulations

General Instructions:

Team Formation:

- Group [Maximum 4 members] or Individual.



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- Maximum 2 members can enter the arena of the match.

## Student Validity:

- The participants must be from school/college.
- Participants who are not enrolled in any university and attended the HSC, A-level, or other equivalent exams in 2022 and 2023 will be allowed to participate in the school/college category.

## Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.

## Game Rules:

- Two teams will face each other in every match.
- If no team can secure a goal, then the winner will be the team whose possession is more.
- If 2 bots stack for more than 5 seconds, re-center and start the match.
- If there is draw in semi-final, quarter-final, and final matches, each team gets 3 penalty kicks.
- In the 5-minute matches, there will be a 1-minute break.
- 1. The side changes after half time.
- 2. Bots can fix existing issues during the break but cannot add new features.
- Blocking the ball for more than 3/4 seconds results in negative points. Re-center and restart the match.
- In any circumstances, the Referee's decision will be considered as final decision.

Duration: Each match's duration will be 5 minutes.

## Constraints:

- The substitution of robots during the competition within the team or with other teams is forbidden.
- Any kind of harmful tools both opponent and arena are prohibited.
- Any kind of robot that catches/grabs objects is strictly prohibited.
- Brackets can be used. Dimension: Maximum length = 5 cm, Maximum Width = 10 cm. Brackets should be made with hard surfaces, any type of soft surface like cloth or felt can't be used.
- Each team can bring more than one bot. But only one bot can play at one match.
- The bot can be controlled by any wireless device. No wired communication is allowed.
- Each team should have two robots for the full tournament.
- The bot can be powered by a maximum of 24 volts.
- Dimension: Maximum length = 20 cm, maximum width = 20 cm (without wheel) & 25 cm (with wheel).
- Maximum weight = 3 kg.
- The robot must not emit infrared light. However, optical sensors (e.g. infrared-distance-sensors) may be used if they do not affect other robots.
- The bot will be semi-autonomous or manual.

Registration Link: <https://csfest.aiubcc.org/robot-soccer-school-college/>

## Points of Contact

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## Drone Race Competition (For AIUB Students):

- Venue: AIUB Premises
- Date: TBA
- Time: TBA

### Rules & Regulations

#### General Instructions:

#### Team Formation:

- Group [Maximum 4 members] or Individual.
- Maximum 2 members can enter the arena of the match.

#### Student Validity:

- Team members can be undergraduate students of AIUB student or students from any school/college.
- Participants who are not enrolled in any university and attended the HSC, A-level, or other equivalent exams in 2022 and 2023 will be allowed to participate in the school/college category.

#### Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.

#### Game Rules:

- Rings will be placed at different locations in the arena with serial numbers. The drone must cross those rings sequentially.
- There will be 6 large rings, each containing 10 points, and 3 bonus small triangles/rings, each containing 15 points.
- Battery swaps are not allowed during race time.
- Hitting obstacles results in negative points.
- Racing using goggles is not permitted.
- The race will be conducted individually, with one drone at a time.
- No specific sensors are allowed.
- At any time, the drone with the highest points may win.
- During the race, the pilot cannot move with the drone.
- If the drone hits an obstacle, it must be restarted from that point.
- If the points are equal, the drone that obtained the same points in less time may win.
- In any circumstances, the decision of the referee will be considered the final decision.
- The complete Drone (including Battery and landing gear) should be of length maximum 35cm\*35cm (LxB) (Measured diagonally – motor shaft to shaft / Wheel Base of the Drone frame).
- The drone must cover the following requirements:
  - 1) Lap Length- 300 feet (The distance that must be covered).
  - 2) Obstacle- 5 Circles 2 feet in diameter and 3 Triangles (The circles will be placed at different heights).
  - 3) Height- 10 feet (The drone should fly 10 feet (minimum) above the ground).

Registration Link: <https://csfest.aiubcc.org/drone-race-competition/>





## Points of Contact

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## Drone Race Competition (School and College):

- Venue: AIUB Premises
- Date: TBA
- Time: TBA

### Rules & Regulations

#### General Instructions:

#### Team Formation:

- Group [Maximum 4 members] or Individual.
- Maximum 2 members can enter the arena of the match.

#### Student Validity:

- Team members can be undergraduate students of AIUB student or students from any school/college.
- Participants who are not enrolled in any university and attended the HSC, A-level, or other equivalent exams in 2022 and 2023 will be allowed to participate in the school/college category.

#### Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.

#### Game Rules:

- Rings will be placed at different locations in the arena with serial numbers. The drone must cross those rings sequentially.
- There will be 6 large rings, each containing 10 points, and 3 bonus small triangles/rings, each containing 15 points.
- Battery swaps are not allowed during race time.
- Hitting obstacles results in negative points.
- Racing using goggles is not permitted.
- The race will be conducted individually, with one drone at a time.
- No specific sensors are allowed.
- At any time, the drone with the highest points may win.
- During the race, the pilot cannot move with the drone.
- If the drone hits an obstacle, it must be restarted from that point.
- If the points are equal, the drone that obtained the same points in less time may win.
- In any circumstances, the decision of the referee will be considered the final decision.
- The complete Drone (including Battery and landing gear) should be of minimum 30cm\*30cm (L\*B) and maximum 65cm\*65cm (LxB) (Measured diagonally – motor shaft to shaft / Wheelbase of the Drone frame).





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- The drone must cover the following requirements:
  - 1) Lap Length- 400 feet (The distance that must be covered).
  - 2) Obstacle- 5 Circles 3 feet in diameter (The circles will be placed at different heights).
  - 3) Height- 12 feet (The drone should fly 12 feet (minimum) above the ground).

Registration Link: <https://csfest.aiubcc.org/drone-race-competition/>

## Points of Contact

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## Networking Contest (For AIUB Students):

- Venue: AIUB Premises
- Date: TBA
- Time: TBA

### Rules & Regulations

#### General Instructions:

#### Team Formation:

- Individual [No team registration is allowed].

#### Student Validity:

- The participants must be current undergraduate students of AIUB.
- The Computer Networks course must be completed to take part in this segment.

#### Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.

#### Contest Rules:

- Must build a network system and required facility in Cisco Packet Tracer.
- Calculator or any softcopy or Internet is not allowed but hardcopy like (book, hand note, photocopy) is allowed.

Registration Link: <https://csfest.aiubcc.org/networking-contest-aiubian/>

## Points of Contact [Faculty Member]

1. MD. MAHMUDUR RAHMAN  
Room: DN0201F  
Email: [mahmudur@aiub.edu](mailto:mahmudur@aiub.edu)



## Logo Design Competition (For AIUB Students):

- Venue: AIUB Premises
- Date: TBA
- Time: TBA

### Rules & Regulations

#### General Instructions:

##### Team Formation:

- Individual [No team registration is allowed].

##### Student Validity:

- The participants must be current undergraduate students of AIUB.

##### Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.

##### Contest Rules:

- One participant can submit a maximum of two logos.
- Logos must be submitted through email.
- Source files must be attached to the email.
- Photos will be uploaded on the AIUB CS FEST 2024 Facebook event page.
- Winners will be selected by 50% of likes from Facebook and 50% from Judgement.
- More details regarding this contest can be found on the event's Facebook page.

##### Content Submission:

Send your logo(s) to the following email address within the mentioned time frame.

- Email: [csfest2024@aiubcc.org](mailto:csfest2024@aiubcc.org)
- Email Subject: logo\_design\_contest.csfest-2024
- Include your Name, ID in the email.

##### Constraints:

- There should be no watermarks on design entries.
- All entries must be the designer's original work. Plagiarism will not be tolerated.

Registration Link: <https://csfest.aiubcc.org/logo-design-competition-aiubian/>

## Points of Contact [Faculty Member]

1. RIFATH MAHMUD  
Room: DN0A10  
Email: [rifath.mahmud@aiub.edu](mailto:rifath.mahmud@aiub.edu)

## Art Competition (School and College):

- Venue: AIUB Premises
- Date: TBA
- Time: TBA



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## Rules & Regulations

### General Instructions:

#### Team Formation:

- Individual [No team registration is allowed].

#### Student Validity:

- The participants must be from school/college.
- Participants who are not enrolled in any university and attended the HSC, A-level, or other equivalent exams in 2022 and 2023 will be allowed to play in the school/college category.

#### Proof of Verification:

- Participants must bring their respective Student IDs for verification purposes.

#### Participant Categories: There are 3 categories.

- Category 1: All up to to 4
- Category 2: Class 5 to 8
- Category 3: Class 9 to 12

#### Constraints:

- Only art paper will be provided; participants are requested to bring the other materials.

Registration Link: <https://csfest.aiubcc.org/art-competition-school-college/>

## Points of Contact [Faculty Member]

1. Md. Sarowar Hossain  
Email: [sarowar@aiub.edu](mailto:sarowar@aiub.edu)

## EVENTS QUERY:

FARDIN RAHMAN

[fardin.rahman.bd@gmail.com](mailto:fardin.rahman.bd@gmail.com)

01965943989

MIRZA SAIKAT AHMMED

[mirzasaikatahmed@gmail.com](mailto:mirzasaikatahmed@gmail.com)

01571195489