

SPECTRUM 2K23

RULES & REGULATION

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Entry Fees:- Rs.50/-per event



Savitribai Phule Shikshan Prasarak Mandal's
SKN SINHGAD COLLEGE OF ENGINEERING

(Approved by AICTE & Affiliated to PAH Solapur University, Solapur)

(Accredited by NAAC with "A+" Grade)

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Poster Presentation

(For All branches)

RULES AND REGULATIONS

Regulations:

1. Size of Poster: A2 size Snow white paper.
2. Poster should not reveal any kind of identity of participants.
3. Limit your text. Good rule of thumb maximum text use is 1/3 text to 2/3 visuals.
4. Use active voice when writing the text.
5. Use no more than two font types and only three or four font size.
6. The aspects considered are: Technical Content, Presentation Skill, Poster Appearance.
7. Simplicity is the key!!! Limit posters to significant data, details, graphs and key results.

Topics:

1. **Startups in Agriculture**
2. **New India on Moon**
3. **Alternate Fuels**
4. **G20 Summit 2023**
5. **Pandharpur as a Tourism place**
- 6.

Rules:-

- 1: Any candidate if not able to present at the contest at given time will not be allowed and entry fee will not refunded.
- 2: Decision made by our judge will be last and final
- 3: All right will be reserved for organizing committee.



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LAN Gaming

Rules:

1. The team has to register as a group of 2 members then it would be merged into 4 members.
2. Personal laptop or any external device such as pen-drive will not be allowed except for keyboard and mouse will be allowed
3. If anyone found using server panel or console within the game it will be considered an offence & they will be immediately disqualified from game & the opposing team will be declared as winner.
(Point to be taken that if even one member is found to be guilty of using cheats the entire team of 4 members will be disqualified immediately)
4. Aggressive behavior or any misbehavior will be lead to disqualification.
5. The refund will not be available after payment.
6. The rights are reserved for management.



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GUI Designing Competition

1: Qualified Round

A: Aptitude test will be taken for qualified round

2: Designing

A: Problem statement will be given on paper on the spot

B: 1 hour 30 minutes time are given for each participant

C: Participant can use any Technology for GUI Designing

(Note- Depending on Technology Evaluation will be done)

Rules:-

- 1: Any candidate if not able to present at the contest at given time will not be allowed and entry fee will not refunded.
- 2: Decision made by our judge will be last and final
- 3: No book refers or any other materials will be allowed for first 3 round.
- 4: Also any mobile or electronic device will not be allowed
- 5: All right will be reserved for organizing committee.



Coding Competition

1: Qualified Round

A: Aptitude test will be taken for qualified round

2: One shot debug round

A: Output will be given by the instructor

B: 10 min. are given for program

C: participants must have to find out error without compiling the source code

D: Within single compilation there must be zero/less error

3: Blind coding round

A: Initially monitor will be switched off

B: Problem statement will be given on paper on the spot

C: 10 min are given for each participant

D: Without switched on the monitor participant must have to execute the code.

4: Fun coding round

A: Problem statement will be given on paper on the spot

B: 15 min. are given for each participant

C: Participant must have to write correct code within specified time limit

Rules:-

1: Any candidate if not able to present at the contest at given time will not be allowed and entry fee will not refunded.

2: Decision made by our judge will be last and final

3: No book refers or any other materials will be allowed for first 3 round.

4: Also any mobile or electronic device will not be allowed

5: All right will be reserved for organizing committee.



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Innovative Business Idea

Rules:

1. Business plans should be submitted by individuals.
2. Individuals should bring Hard copy while attending competition.
3. Keep the content clear when presenting a business plan.
4. Participation Certificates will be provided.
5. Round submission will be judged according to the following criteria:
 - a. Is the business financially feasible?
 - b. Quality of products, services and/or solutions
 - c. Market opportunities and competition
 - d. Overall attractiveness of the venture
6. All right will be reserved for organizing committee.



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Microcontroller Programming

Rules:

1. Student can use 8051/PIC microcontroller for programming.
2. Participant will be provided Aim of program.
3. Complete the program execution within 90 minutes.
4. Student can write program in Assembly language or Embedded C Language in any microcontroller software.
5. Decision taken by judges will be final.



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Circuit Sudoku

Rules:

1. Event is open for all engineering students.
2. Maximum two students per group.
3. All participants should bring their college I-Card.
4. Total two rounds will be conducted and first round will be elimination round.

Round 1: Aptitude & Technical Hunt/Test

(No. of Questions: 30 Time allotted: 30 min.)

-For students (Questions based on Aptitude & Basic Electronics)

Round 2: Circuit Designing

- You will be given question or design sheet on registration desk.
- You need to design the circuit in your question sheet in less time.
- You have to submit that back within specified time limit.
- All the components & materials will be given by coordinators.
- Power supply & measuring devices will be shared in common.

5. Decision taken by judges will be final.



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Technical Quiz Competition

Rules:

1. The question will be in the form of MCQ'S/ True or false.
2. The result of next round is depending on your past round performance.
3. Replacement / cancelling after registration are not allowed.
4. Questions will be in English only.
5. Audience shall not give any clue or suggestions.
6. Books, Notes or any other material is not allowed.
7. Decision taken by judges will be final.

Rounds-I (For All): Online Test

Quiz will starts sharp at 11:00 am.

Rounds-II (For short listed teams): Buzzer Round

Rounds-III : Question Pass Round



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CAD WAR

Rules & Regulations:-

1. Time duration for first round will be 15 minutes and time duration for second and third round will be 25 minutes.
2. Participants have to draw the assigned design within less time as possible.
3. Dimensions, accuracy and timely completion of the component are the major factors for marking scheme.
4. Marking scheme is out of 25 marks.
5. AutoCAD 10/12 will be used for the practice.

Final decision will be taken by authority.



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Innovative Mechanism



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Float a Boat

Rules:

- 1) Participants have to build a floating element (boat) of any shape by using materials like ice cream sticks, newspaper, threads, and glue and build a boat that can sustain the maximum weight in the water tank.
- 2) Maximum limited size of boat should not exceed 45cm x 45cm x 15cm.
- 3) The team which have minimum value of the ratio of self weight of boat to maximum weight carried by boat i.e. $\left(\frac{\text{self weight of boat}}{\text{max.weight carried by boat}}\right)$ will be winner.
- 4) In case of tie final decision will be taken by comparing dimensions of boat.
- 5) In case of further disputes the decision of organizing committee will be final.
- 6) Each team will have maximum 2 members.



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Trusso Model Making

Rules:

Model specification –

1. Height of web should be 45cm included flange. (+/-5mm).
2. Length of flange should be 50cm.(+/-5mm).
3. Base area of web should be 100cm²(+/-5mm²)
& flange area should be 100cm²(+/-5mm)
(Structure should be square)
4. Weight is apply simultaneously both sides of flange of T-section.
5. Winner should be decided on the basis of the ratio of weight carried by model to the self-weight of model.



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Innova (Idea Presentation)

Model specification –

1. Participant has to present Innovative ideas in civil Engineering.
2. Idea should be presented within 10 min.
3. Final decision will be taken by authority.

Innovation in Electrical Engineering

Rules:

1. Event is open for innovative ideas related to Electrical & Electronics domain.
2. Single participant entry is allowed for competition.
3. Group entry is allowed, maximum participant in a group only two.
4. All participants should bring their college I card & College Uniform.
5. Replacement / Cancelling after registration are not allowed.
6. Those who will attend through the online mode;
Google Meet joining info: - <https://meet.google.com/oyz-azad-jmr>
7. Time duration for presentation of Idea will be 10 Min.
(5-7 Min. for Presentation & 2-3 Min. for Questions-Answer session.)
8. Innovative Idea will be presented with help of PPT. (**Maximum 15 Slides**)
9. Questions-Answer session will be in English only.
10. Audience/ judges shall not give any clue or suggestions.
11. Books, Notes, or any other material is not allowed.
12. Participants must present ideas within less time as possible.

- Note:** -
- 1) *Entry Fees: - Rs.50/-per Participant.*
 - 2) *Decision taken by judges will be final.*
 - 3) *Certificates will be given to each participant.*
 - 4) *Send yours PPT on Mail ID: nagnath.khandekar@sknscoe.ac.in*



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Electrical Puzzle

Rules:

1. Event is open for all Electrical Engineering/Diploma students.
2. All participants should bring their college I card.
3. Replacement / cancelling after registration are not allowed.
4. Questions will be in English only.
5. Audience shall not give any clue or suggestions.
6. Books, Notes, or any other material is not allowed.
7. Total two rounds will be conducted and first round will be elimination round.
8. Time duration for first round will be 25 minutes and time duration for second round will be 10 minutes.
9. Participants must get answers within less time as possible.

Round I: Basic Technical Puzzle Type Questions

Total questions are 25 related to Electrical & Electronic field.

Marking scheme is out of 25 Marks. (25Q=25Min=25M)

Round II: Identification of Scientist Picture in Electrical Field

Total questions are 10

Marking scheme is out of 10 Marks. (10Q=10Min=10M)

Decision taken by judges will be final.



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Circuit Master

RULES AND REGULATIONS

1. Event is open for all Electrical and Electronic Engineering/Diploma students.
2. All participants should bring their college I card.
3. Total three rounds will be conducted and first round will be elimination round.
4. Books, Notes or any other material is not allowed
5. Mobile phone is not allowed.
6. Maximum two students per Group.

Round I: Technical HUNT Test

1. (No of Questions : 30 Time allotted : 30 min)
2. For students (MCQ PAPER -Questions based on Basic Electronics & Basic Electrical Engineering).
3. Group Members must have qualified marks ,otherwise **single participant** will consider for
4. next round

Round II: Circuit Designing

1. You will get question or design sheet on registration desk.
2. You need to design the circuit in your question sheet in less time.
3. You have to submit that back within specified time limit.
4. All the components& materials will be given by coordinators
5. Power supply & measuring devices will be shared in common.

Round III: Circuit Designing (QUESTION /ANSWER) -

1. Oral questioning by judge after designing circuit
2. Decision taken by judges will be final.