Rule Book Tech Urja 2K25

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Project Exhibition (All innovative ideas are welcome)

- Participants can represent their innovative idea based on latest technologies
- The Team should display their project throughout the event schedule.
- Brief explanation and proper presentation is expected.
- The decision of the judges will be considered final and binding.

Ouiz Competition

- 1. Each team shall have three members only.
- 2. The quiz will be conducted in two rounds.

a) Screening Round:

- i) All the participants can participate in the screening round, from which 4 teams will be selected and those 4 teams will participate in the final rounds of the quiz.
- ii) The 4 teams selected will be from different college/institute.

NOTE: if a college /institute has more than one team in the top 4, the team having top ranking will be selected for final round.

- b) Final Rounds: Final Round will consist of following sections
 - i) First timers
 - ii) Subject Round
 - iii) Rapid fire round (Each team has to answer max. questions in 30 seconds.)
- 3. 10 marks for right answer and -5 for wrong answer.
- 4. The extra question will be asked in case there is tie between the teams.

Extempore

- Individual entries shall be allowed in this competition.
- A random topic shall be given to the student on the spot
- The student shall be given a time of 2 minutes to prepare the topic
- A time of 3 minutes shall be given to speak.



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- A bell will ring at 2 minutes and final warning bell will ring at 3 minutes.
- A student speaking below 1 and a half minutes and above 3 minutes shall be disqualified.
- Decision of the judges shall be final and binding

Situation Reaction Test:

- Team has one participant.
- 30 situations will be provided and student has to answer in 20 mins.

Tech Reels:

- Team has maximum two participants.
- Theme/ Topic will be given on the spot
- Time allowed 60 mins
- Reel should be up to 1 min

DSLR Photography:

- Team has maximum one participant
- The student who clicks the **BEST 10** photographs of the coverage of tech fest will be winner

Group Discussion:

- There will be 7-8 participants at a time.
- GD will be based on certain topics which are practical and real.
- Always raise hand before speaking.
- Avoid false starts, do not present wrong data or facts or deviate from topic.
- Do not get too emotional
- Do maintain etiquettes
- Oppose to the points raised by other member(s) by pointing issues rather than launching a personal attack on any of the members



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Rules for Paper Presentation:

- Team should have minimum 2 and maximum 3 participants.
- Duration of presentation should be between 4 to 6 minutes.
- Slides to be prepared should not be less than 8 and not more than 12.
- Each team will be asked two questions by judges related to presentation.
- The presentation will be judged by judges on the basis of: Content of presentation, Confidence and verbal Skills, Use of graphics, Sound, video and question Round.

Topics of Paper Presentation:

- Quantum Computing Explainable AI and its Applications
- Deep Foundation Ground improved techniques
- Information Security Artificial Intelligence
- Sustainable machine
- Electrical/ Hybrid Vehicle Engineering
- Flexible Electronics Electrical Vehicles
- Role of AI in Radiology Imaging
- Role of Paramedics in Severe Emergency Response
- Business Idea's
- Trends in Marketing

S.	Name of Event	Rules
No.		
1	Code warrior	Maximum two participants per team per college is allowed.
	(Programming in	Problem to test the logic will be given on the spot.
	JAVA & Python)	Python/Java language will be used to solve the given problem
		Judgement of this event will be based on solution strategy used to solve the problem, correctness, completeness, time/space requirements and user interface of the program
2	Web war (HTML)	Maximum two participants per team per college is allowed.
		 Topic will be announced on the spot. HTML will be used.







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3	IT Collage/IT	One participant per team per college is allowed.
	Chart	• Sheet size must be 2*3 feet.
		• Charts/Collage are to be submitted at time of registration.
		• On backside of chart, it must include name of participant, fathers name, class and
		college name.
		Chart/Collage theme should be based on IT.
4	Bridge	• 3 members make a team.
	Engineering	• Only wooden popsicle sticks and white glue can be used to make your bridge.
	- Popsicle	• You may use no more than 120 popsicle sticks.
	Stick Bridge	• The bridge must be at least 300mm long and has an overall width of at least
		100mm.
		 Please remember that load testing may result in the destruction of the bridge.
		 Tease remember that load testing may result in the destruction of the bridge. Total time allotted for the event is 60 minutes and after 2 hour of making load
		testing will be done in front of judges.
		5 5
		• Load will be applied in the center of the span on the "roadbed" surface.
		A bridge may be considered to have "failed" under the test load if the bridge
		components break, crack, or separate, causing the collapse.
		Be creative and have fun!
5	AUTO CAD 2D	• A drawing will give to participants & they will have to draw it in AUTOCAD.
	PLAN	• They drawing should be made with proper dimensioning.
		Any discrepancy leads to disqualification of candidate.
		• Total time allotted for the event is 25 minutes and 5 minutes to think over the
		matter.
		• Candidates who finish the task first will win the first round.
		 Shortlisted candidate will appear in round 2. Same rules must be followed in round 2
6	SURVEY	 A team shall be of 3 members only.
	HUNT	-
	HONT	• In first round screening test shall be conducted and top 4 teams will be selected
		for second round based on the accuracy of the work.
	T . C .	 Time allotted for task is 1 hour. Select a truth table slip from a jar, identify the correct logic gate, and stand in
7	Logic Gate	the corresponding circle
	Hunt	the corresponding circle
8	One Minute	Where you can pick a topic about electronics and talk about it.
O		 Where you can pick a topic about electronics and talk about it. No Language Barrier.
	JAM	140 Earlydaye Darrier.
9	Electronic	Correctly Identify and organize electronic components.
	Component	Someony lacinary and organize decidentio components.
	Puzzle	
10	Machine	Movimum One participant per callege is allowed.
10	Drawing	Maximum One participant per college is allowed. Problem to test the legic will be given on the great.
	Diawing	Problem to test the logic will be given on the spot. Portion of the spot of the
11	0-1:1	Participants must bring their own all require items
11	Solid	Maximum One participant per college is allowed.
	Modelling	Topic will be announced on the spot.
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	D : 1	
12	Bridge	• 3 members make a team.
	Building	Only wooden popsicle sticks and white glue can be used to make your bridge.
		You may use no more than 120 popsicle sticks.
		• The bridge must be at least 300mm long and has an overall width of at least
		100mm.
		• Please remember that load testing may result in the destruction of the bridge.
		• Total time allotted for the event is 60 minutes and after 2 hours of making load
		testing will be done in front of judges.
		• Load will be applied in the center of the span on the "roadbed" surface.
		A bridge may be considered to have "failed" under the test load if the bridge
		components break, crack, or separate, causing the collapse.
13	Anatomy	 Items used: - Popsicle, gums and construction paper. Participants will choose an anatomical structure/system (e.g., skeletal system,
13	Anatomy	cardiovascular system, neuroanatomy, etc.).
	Painting	The painting will be scientifically accurate and visually creative.
		Only handmade paintings (using watercolors, acrylics, or pastels) are allowed.
		No digital artwork will be displayed.
		Reference images can be used, but direct tracing is not allowed.
		• 2–3 hours will be provided to complete the artwork. Followed be 10 min
		explanation.
14	Radiology Inter -	Participants will bring their own art supplies. Pack participant/team must calcut a redictory related device (a.g. V rev.)
17	Medical Device	• Each participant/team must select a radiology-related device (e.g., X-ray machine, CT scanner, MRI, ultrasound, etc.).
	Explanation	The explanation should cover:-Principle & Working Mechanism, Clinical
	Laplanation	Applications, Advantages & Limitations, Future Developments (if any)
		A live demo (if feasible) or a 3D model/video will be demonstrated.
		 Each presentation should not exceed 8–10 minutes.
15	Live OT	 Ensuring clarity while explaining the operation theatre setup.
	Demonstration	 Keeping the demonstration interactive and engaging.
		 Following a structured approach: introduction, equipment explanation,
		procedure, and conclusion.
16	No Flame	Entry per institution will be one.
	Cooking	Team of 2 students can participate at a time.
	Cooming	Time Duration for this event is 30 mins.
		 Ingredients should be brought by participants themselves.
		Mobile phones are not allowed.
		Event judges will be final and binding.
		 Preparation should be done in front of the judges.
		Treputation should be done in front of the Judges.
17	Preparation of	Entry per institution will be one.
	Mocktails	Each Team will consist of 2 members.
		Time Duration for this event is 30 mins.
		Each team will bring their own ingredients for the event.
		Mobile phones are not allowed.
		 Preparation should be done in front of the judges.
		- Treparation should be done in front of the judges.







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18	Towel Art	• Entry per institution will be one.
10	TOWETTHE	 Team of 2 students can participate at a time.
		 Team of 2 students can participate at a time. Time Duration for this event is 15 mins.
		Mobile phones are not allowed. It should be done in front of the judges.
10	Lasta Dadidan	It should be done in front of the judges. Mariana transfer and a surface and a s
19	Logic Builder	Maximum two participants per team is allowed. Dealth and the dealth and investigation and the analysis.
	(Programming in C & C++)	• Problem to test the logic will be given on the spot.
	$C \propto C++)$	C/C++ language will be used to solve the given problem
		Judgement of this event will be based on solution strategy and time
		consumption used to solve the problem, correctness and completeness of
20	C	the program.
20	Computer Geek	One participant per team is allowed.
		• Logos and Computer parts will be shown on the spot. Total of 2 years analyses out of 5 will result in diagnalification.
21	Logic	 Total of 2 wrong answers out of 5 will result in disqualification. One participant per team is allowed.
41	Logic Constructor	<u> </u>
	Constructor	• The statement problem will be provided on the spot. The logic will have to be built on the book of proper examination of the
		• The logic will have to be built on the basis of proper examination of the given result provided with the Logic Gates to be used.
22	Ad-Mad Show	Each team should have 4 members only.
	Au-Mau Show	
		• The theme for the show will be imaginary product which is yet to be Launched.
		 Time limit for performing the advertisement is 90-180 seconds. Participants shall be judged on the basis of spontaneity, content, adherence to the
		topic, presentation, coordination and overall appeal of the advertisement.
		The caution should be taken to refrain from displaying obscenity, violence,
		prejudice, defamation etc. in Advertisement.
		 Decisions of the judges will be final and binding.
23	On the spot	Theme for the poster should be related to information technology only.
	Poster Making	Each Participant can post only one Poster
	C	• The poster must be made on the A3 size (11.7 * 16.5 inches) sheet with
		margins (0.5 inches) drawn with black pen/marker.
		Poster can be made using pencil, crayon, watercolor, oil paint, etc.
		• Photographs, wires, other 3D objects, print-outs won't be acceptable. It should
		be original and hand made.
		The Topic of poster and theme should be clearly mentioned at the Top
		Margin of the Poster.
		• The decision of the judges will be final.
24	Treasure	 This game consist of 7 clues, each one leading to the next.
	Hunt	• There are 5 players in each team.
		The clues are to be found in a particular order.
		A team cannot skip a clue.
		Skipping a clue leads to the disqualification of the team.
		Each team gets different clues.
		• The 7th clue which is the last clue it consist a prize for the winner team.







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25	Discussion and	This is a individual event
	Panel Linkage	Team of 5 students will comprise panel
	with Innovation	They will discuss on a given theme
	Ambassadors	Max time limit is 10 min
26	Solo Singing	
20	3010 Siligilig	 No of Participants:01 Time Duration: Minimum:03mins and Maximun:05mins
		 Time Duration: Minimum:03mins and Maximun:05mins The pre-recorded music is allowed
27	Dust Cinsins	
41	Duet Singing	 Team of 2 people Time Duration: Minimum:03mins and Maximun:05mins
20	Doct out of	The pre-recorded music is allowed To an abell consist of two more bore only.
28	Best out of Waste	• Team shall consist of two members only.
	vv aste	• Participants will be given 1 hour and 30 min. to show their creativity and 2 minutes to talk about the same.
		The required waste material and stationery like scissor, thread, etc. should be
		brought by the participants.
		Waste material could be anything like tetra packs, bottles, newspapers, old
		utensils, jute material or any second hand items that otherwise would be thrown
		away.
		The material would be rejected if not found to be a waste product or second hand
		item.
		No ready or semi-finished model or matter would be accepted from participant in
		competition.
		Participants will be judged on Creativity, Utilization of Resources, Artistic
		composition & design, Eco-friendly rating, Utility of the Product and Overall
		Presentation
		No mobile or Internet means would be allowed to use at the time of Competition.
		The decision of the judges will be considered final and abiding
29	Pitcher Painting/	Team should be of two members
	Decoration	Standard size Pitcher (clay pot) is to be used
		Decoration can be done with any item like, colors, glitters, threads, mirrors,
		beads, buttons, etc.
20	G. D. I. I.	Decision of judges will be final
30	Stone Painting	• Team has 1 member only
		• Size of stone 7-8 inches
		Decoration can be done with any item like, colors, glitters, threads, mirrors,
		beads, buttons, etc.
21	- C t	Decision of judges will be final
31	eSports Competition	Participants must provide their own equipment, including Mobile Phones Internet and Headact/ combones.
	Competition	Phones, Internet and Headset/ earphones
		I-pads are not allowed for this event.