

TECH MAKHAR 2026 – WHERE TRADITION MEETS INNOVATION

Phase I – School-Level Selection | Total: 80 Marks

Sr. No.	Criteria	Description	Measurement Rules (How Marks Are Awarded)	Marks Obtained	Max Marks
1	Innovation & Creativity	The team should demonstrate originality and creative thinking through the Makhar concept, design and integration of technology with traditional/cultural elements. The project should have unique or innovative features that distinguish it from conventional Makhars.	0–4: Common/basic idea with minimal creativity 5–12: Some creative elements with moderate innovation 13–20: Highly original, creative and innovative concept with meaningful integration of tradition and technology	_____	20
2	Use of CARES Technology	The team should demonstrate effective and meaningful use of the CARES Robotic Hardware Kit and CARES Ed-Stack, along with appropriate coding and robotics concepts to enhance the Makhar.	0–2: Very limited or inappropriate use of CARES technology 3–6: Basic use of CARES components and coding/robotics concepts 7–10: Effective and meaningful use of CARES technology with good integration of coding and robotics	_____	10
3	Technical Implementation	The project should demonstrate proper coding, circuit connections, component integration and automation. Students should be able to explain the technical working of the system clearly.	0–1: Technical implementation unclear, incorrect or non-functional 2–3: Basic technical implementation with some limitations 4–5: Correct, well-integrated and clearly implemented technical solution	_____	5
4	Functionality & Working	The technological features incorporated into the Makhar should function as intended. The system should demonstrate reliable operation and appropriate response during the demonstration.	0–3: Features largely non-functional or not demonstrated 4–9: Partially functional with some limitations or inconsistencies 10–15: Fully functional, reliable and effective demonstration of technological features	_____	15

5	Design & Aesthetics	The Makhar should be visually appealing, creative and neatly constructed, while effectively incorporating traditional and cultural elements. The technological components should be aesthetically integrated into the overall design.	0–2: Basic design with limited finishing or cultural integration 3–6: Good visual appeal and cultural representation with some scope for improvement 7–10: Highly attractive, creative and well-finished design with excellent integration of traditional and technological elements	_____	10
6	Eco-Friendliness & Sustainability	The team should use eco-friendly, reusable, recycled or sustainable materials wherever possible and incorporate energy-efficient technological solutions. The Makhar should demonstrate awareness of environmental responsibility.	0–1: Limited consideration of eco-friendliness or sustainability 2–3: Use of some eco-friendly/reusable materials and sustainable practices 4–5: Strong focus on sustainable materials, waste reduction and energy-efficient solutions	_____	5
7	Teamwork & Student Participation	All team members should actively participate in planning, development and presentation. Students should demonstrate collaboration, appropriate distribution of responsibilities and understanding of their respective contributions.	0–1: Limited participation or coordination among team members 2–3: Good teamwork with participation of most members 4–5: Excellent collaboration, clear role distribution and active participation of all/most team members	_____	5
8	Instagram Reel – Presentation & Demonstration	The one-minute Instagram Reel should clearly and creatively showcase the Makhar, its concept, technological features, components used and working. The caption should provide the required project information and effectively communicate the innovation.	0–2: Unclear/poor presentation; important information missing 3–6: Adequate explanation and demonstration with some creative elements 7–10: Clear, engaging and creative Reel effectively demonstrating the concept, working, components and innovation, with an informative caption	_____	10
TOTAL					80