



डा0 ए0पी0जे0 अब्दुल कलाम प्राविधिक विश्वविद्यालय, उत्तर प्रदेश
DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY

सेक्टर-11, जानकीपुरम विस्तार योजना, लखनऊ-226031

पत्रांक: ए0के0टी0यू0 / कुस0का0 / अधि0छात्र क0 / 2022 / 17550

दिनांक: 16-11-2022

सेवा में,

निदेशक / प्राचार्य,

डा0 ए0पी0जे0 अब्दुल कलाम प्राविधिक विश्वविद्यालय

से सम्बद्ध समस्त संस्थान।

विषय:-डा0 अब्दुल कलाम टेक्निकल, लिटरेरी एण्ड मैनेजमेन्ट फेस्ट 2022-23 के आयोजन के संबंध में।

महोदय,

उपरोक्त विषयक के संबंध में अवगत कराना है कि डा0 ए0पी0जे0 अब्दुल कलाम प्राविधिक विश्वविद्यालय, लखनऊ से सम्बद्ध संस्थानों में डा0 अब्दुल कलाम टेक्निकल, लिटरेरी एण्ड मैनेजमेन्ट फेस्ट 2022-23 का आयोजन जोनल स्तर पर दिनांक 09, 10 दिसम्बर, 2022 तथा स्टेट लेवल पर दिनांक 10, 11 फरवरी, 2023 में किया जा रहा है।

उक्त फेस्ट की विभिन्न प्रतिस्पर्धाओं हेतु विश्वविद्यालय द्वारा निर्धारित सामान्य नियम एवं विभिन्न प्रोफार्मा संलग्न कर प्रेषित है। इस संबंध में यह भी सूच्य है कि स्टेट लेवल एवं सभी जोनल लेवल केन्द्र को अग्रिम हेतु निर्धारित प्रोफार्मा अनिवार्य रूप से दिनांक 17 नवम्बर 2022 तक अधोहस्ताक्षरी की ई-मेल registrar@aktu.ac.in पर तथा अधिष्ठाता, छात्र कल्याण की ई-मेल dean.sw@aktu.ac.in पर प्रेषित करने का कष्ट करें ताकि संबंधित सेन्टरों को ससमय अग्रिम भुगतान सुनिश्चित किया जा सके।

उपरोक्त सभी कार्यक्रमों में केन्द्र एवं राज्य सरकार द्वारा निर्धारित कोविड प्रोटोकाल का अनुपालन अनिवार्य रूप से सुनिश्चित करें।

संलग्नक:-यथोक्त।


भवदीय


(सचिन कुमार सिंह)
कुलसचिव

पृष्ठांकन सं0 व दिनांक-उपरोक्त।

प्रतिलिपि:-निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

1. वित्त अधिकारी, ए0के0टी0यू0, लखनऊ।
2. परीक्षा नियंत्रक, ए0के0टी0यू0, लखनऊ।
3. उप कुलसचिव, ए0के0टी0यू0, लखनऊ।
4. स्टाफ आफिसर, मा0 कुलपति कार्यालय, ए0के0टी0यू0, लखनऊ।


(सचिन कुमार सिंह)
कुलसचिव



Dr. A.P.J. Abdul Kalam Technical University
Uttar Pradesh, Lucknow
Sec-11, Jankipuram Vistar, Lucknow – 226031, Uttar Pradesh

Dr. Abdul Kalam Technical, Literary & Management Fest 2022-23

State Level Center and Fest Schedule

S. No.	State Level Center	Schedule of State Level Fest
1.	Centre for Advanced Studies, AKTU, Lucknow	10-11 February, 2023

Zonal Level Centers, Fest Schedule and Events to be organized

Fest Schedule at Zonal Level: 09-10 December, 2022

S. No.	Zone	District under Zone	Zonal Level Centers	Events to be organized
1.	Agra	Agra, Aligarh, Firozabad, Hathras, Mainpuri, Mathura	Faculty of Engineering, Agra College, Agra (002)	1. Bridge Kriti (2) 2. Business Plan (2) 3. Best Shot on the spot (2) 4. Debate (2) 5. Declamation (1) 6. Drone Flying Competition (2) 7. Dumb Charades on books (4) 8. Game of Codes (2) 9. Innovation & entrepreneurship jeopardy (2) 10. Innovative prototype/project exhibition (2) 11. Junkyard war (3) 12. Robo Race (4) 13. Robo War (4)
2.	Bareilly	Bareilly, Moradabad, Shahjahanpur, Shikohabad, Sitapur	Rajshree Institute of Management & Technology, Bareilly (479)	
3.	GB Nagar	Noida/ Greater Noida (G.B. Nagar)	Greater Noida Institute of Technology, Greater Noida (132)	
4.	Ghaziabad	Ghaziabad, Modinagar	ABES Engineering College, Ghaziabad (032)	
5.	Gorakhpur	Azamgarh, Ballia, Basti, Ghazipur, Gonda, Gorakhpur, Mahrajganj, Mau, Siddharthnagar	Buddha Institute of Technology, Gorakhpur (525)	
6.	Lucknow	Ambedkar Nagar, Amethi, Banda, Barabanki, Faizabad, Fatehpur, Hardoi, Jhansi, Kanpur, Kannauj, Lucknow, Raebareli, Unnao	Kanpur Institute of Technology Kanpur Nagar (165)	
7.	Meerut	Bagpat, Bijnor, Bulandshahr, Hapur, Meerut, Muzaffar Nagar, Saharanpur, Shamli	Meerut Institute of Engineering & Technology, Meerut (068)	
8.	Prayagraj	Bhadohi, Jaunpur, Kaushambi, Mirzapur, Prayagraj, Sonbhadra, Sultanpur, Varanasi	Kashi Institute of Technology, Varanasi (428)	

Note: a) In case of any institution not included in this list may report to nearest Zonal Centre.

b) Bracketed quantities in the last column (Events to be organized) represent No. of participants/college.



Dr. A.P.J. Abdul Kalam Technical University
Uttar Pradesh, Lucknow
Sec-11, Jankipuram Vistar, Lucknow – 226031, Uttar Pradesh

Dr. Abdul Kalam Technical, Literary & Management Fest, 2022-23

GENERAL RULES AND REGULATIONS

- Only bonafide, full time student, who is enrolled for a course in AKTU, will be eligible to participate.
- All the participants should bring their college *Identity Card*.
- All the participants should bring No Objection Certificate from Director/Principal of the concerned college.
- All the participating colleges should provide list of each team to the Zonal Centre at least 10 days before starting of the fest.
- Only one team from a college will be allowed to participate in a particular event.
- One student can participate in maximum 2 events. In case of clash in the timing of two events, no request for changing the time of any event will be entertained.
- All the teams should report at the respective Zonal/State Level Center timely so that registration process can be completed as per time schedule.
- Zonal/State Level centres will issue an identity card to all the participants/office bearers who will bear this card at all times during the events.
- Participants of all events should report at the assigned venue at least 30 minutes before start of the respective events.
- Two office bearers, 1M/1F, should accompany the squad from each participating college who will be responsible for discipline of their team. Officials should also bring their college Identity Card.
- Participating colleges should have flags/placards/banners of their colleges. A Procession/ March past of participating colleges shall be organized on inaugural day before the formal inaugural ceremony.
- If any participant is found involved in any indisciplinary activities he/she will be debarred from the tournament immediately.

- Illegal participation of any player/team in any event will be responsible for disqualification of all teams of the concerned college from all events of the tournament and the college authority will be responsible for this act.
- Each Zonal Center/State Level Center should make arrangement of proper media coverage of the Fest, starting from one day before of the Fest, with due reference of University. The media report will be required in the final report of the Fest.
- Correct name of the fest “Dr. Abdul Kalam Technical, Literary and Management Fest” should be displayed on the banners/flexes/pamphlets, etc.
- University Kulgeet should be sung during the inauguration and closing ceremony of the fest.
- Flag of the University should be hosted a few places in the Institute/College campus during the event days.
- Decision of the panel of judges/referees will be final and binding to all.
- Each Zonal Center/State Level Center should form a 3-member committee, from the participating colleges, who will monitor the events and will help to resolve the issues in case of any dispute.
- Only winners of each event at Zonal Centers will be eligible to participate in State Level events.
- All Centers should make proper arrangement of medical facility for the participants.
- Each Zonal Center / State Level Center should make arrangement of photography / videography on the days of events.
- All the Coordinators of Zonal Centers will provide a detailed report of the fest, including college wise/event wise list of participants and event wise list of winners/runners (gold/silver/bronze) within 3 days of completion of the event to the Dean Student Welfare of the university at email id: **dean.sw@aktu.ac.in**. A separate list of winners (gold medallist) only should be sent on the next day of completion of the fest to State Level Center as well as DSW, AKTU.

Dr Abdul Kalam Technical, Literary and Management Fest, 2022-23

Rules & Regulations of the Events

1. BRIDGE KRITI

- Be a real builder, identify how the geometry affects the bridge design, functions and apply that knowledge to construct a model of a bridge using ice cream sticks. Bridge Kriti provide a platform to young engineers to showcase their construction skills amidst several constraints.
- Each Team can have 2 members. Maximum two teams Design a Bridge of given specifications satisfying the stated constraints using popsicles (ice).
 - A. Span length: 60-65 cm and 10 cm at both ends
 - B. Height of the horizontal span: 11 cm (max.) from the ground
 - C. Stick overlapping should not exceed 3 cm
 - D. Arch Crown must be above horizontal & its height shouldn't exceed 25 cm
- **Round 1:** The Bridge will be checked by the organizers regarding span, width, height and material constraints. The Bridge satisfying all the conditions of round 1 will be allowed for next round.
- **Round 2:** The upper deck will be subjected to concentrated loads. The loads applied will be gradually increased on the weighing support hung at Centre of the upperdeck of bridge till the FAILURE.
**Note: Failure is defined as, if structure breaks at any joint or if there is a sound of breakage& is or the deflection at Centre of bridge reaches 2.5 cm.*

2. BUSINESS PLAN

- Individual participant can take part.
- Have to explore business ideas to run the Business.
- Topic will be given.
- Means of communication will be English.
- Duration: 45 Minutes.
- The Judge's decision will be final and binding to all.

3. Best Shot on the Spot!

Thanks to social media, more people than ever now consume architecture every day through their feeds. However, their attention is fleeting — with millions of architectural ideas flowing across the web, each designer has just a brief moment to make an impact. This competition focuses on celebrating the integration of architecture and photography.

- The participants are required to capture 5 shots on the spot during the event.
- Theme- People celebrating Architecture.
- Any medium can be used for capturing the photographs, like Mobile phones, cameras, etc.
- The photos need to be clear and geo tagged.
- The photographs will be judged on the basis of the justification of the theme.
- The participants will be given 120 minutes to capture and geotag the photographs.
- There will be only one Winner (no Runner-ups).

4. DEBATE (ENGLISH & HINDI)

- Individual Participation
- Topic for the debate will be given on day of the event.
- Participation: (either "for" or "against" given topic to be decided by lot on the given date)

- Each participant shall be given 3 minutes to speak on the given topic and 5 minutes shall be given to answer the audience / judges' questions /interjections.
- Judging Criteria;
 - (i) Content coverage - 5 marks;
 - (ii) Debating skills shown - 10 marks;
 - (iii) Convincing argument skills - 5 marks.

5. DECLAMATION

Declamation is basically re- delivering an already popular speech or it can be a speech on any important topic as well which is inspired from a popular speech. The speeches may be of any eminent personalities.

The following popular speeches can be referred:

Narayan Murthy's Speech; Sachin Tendulkar Farewell Speech; My Vision for India-Abdul Kalam Speech; Shashi Tharoor's Speech; Atal Bihari Vajpayee Speech; Steve Jobs Stanford Commencement Speech, Sushmita Sen's Heart-wrenching Speech, etc.

- Individual Participation.
- The language of the contest shall be Hindi or English only
- The participants will speak (language) on the topic with areas given on
- The speech will be of 5-7 minutes duration.
- The time limit will be strictly enforced.
- The speaker is expected to memorize their speech, and is not allowed to read any part of the speech from papers, notes, or cards.
- The contestants may keep in view the following points while delivering their speech:-
 - Content
 - (I) Greeting & introduction of the subject.
 - (II) Exposition of the main theme (Conciseness & clarity of message, originality/points of interest, Incorporation of Personal References, Quotations etc).
 - (III) Conclusion.
 - Speaking Presentation
 - (I) Memorization (evaluated by pauses)
 - (II) Verbal Clarity (Annunciation and pronunciation of words, voice strength and projection) Presentation/Speaking style (Mannerisms, Audience contact and voice modulation, ability to keep the audience engaged by their speaking style).
- Judging Criteria;
 - Command over subject - 5 marks;
 - Explanatory Skills - 5 marks;
 - Presentation Skills- 5 marks;
 - Clarity of Ideas and Thoughts- 10 marks;
 - Confidence Level-5 marks;
 - Starting and Ending of Declamation-5 marks.

6. DRONE FLYING CHALLENGE

- Participation can be as an individual or in a group of 2.
- 1. Purpose**
- This document outlines safety and operational regulations that govern drone racing to ensure participants enjoy fair competition in a safe environment.
- 2. General Specifications for Nano/Micro Drone**
- Guidelines to provide competitive standards within a typical race day.
 - For Regional Drone Race
 - Maximum Frame size: 250mm

- Weight of the drone: 800 gm (approx.) with battery
- FPV Cam & Goggles are Optional (Recommended for Drone race not necessary)
- Height of flight: Free style within obstacles/arena

3. Pre-Competition Safety Requirements

- Safety Requirement and Event Participation List
- Each participant attests to the fact that he/she has the appropriate experience to participate in the event, or will be assisted by an experienced participant during any and all flights in which he/she may participate. All drones must be successfully test-flown and are therefore qualified to be flown in the presence of fellow participants, event officials, and all others who may be in the arena during the event period.

Pre-Flight Inspection

- Each participant must have their drone inspected for airworthiness. Technical Inspectors/ Safety officers/Event Technical Coordinator will ensure materials and workmanship shall be of satisfactory standards. The Event Convener / Organizing Head may disqualify any drone which, in his or her opinion, is not safe and airworthy in terms of materials, workmanship, radio installation, radio function, design details or evidence of damage. During the pre-flight inspection pilots will be asked to remove props and demonstrate that their aircraft is programmed for arming/disarming switches on their transmitter and failsafe correctly in the event that radio control link is lost (optional). This is demonstrated by arming the aircraft (with props off), spooling up the motors.

Venue Safety Guidelines

- Safety must be the number one priority when holding a drone racing event.

Flight Envelope

- a) Maximum Height
- Free style within obstacles/arena (not above 10ft)
- b) Set Course Back Distance
- Courses must be setup using the approved set-back distances to ensure the safety of participants unless the race course is netted: The minimum distance from the flight line to any human occupied areas must be 6 ft. The recommended distance is 7 ft. or more.

4. Participant Guidelines

Guidelines for Everyone

- a) Listen and follow ALL instructions from the Contest Director or Race Director or Event Convener or Organizing Head.
- b) NEVER walk onto the course while drones are flying.
- c) The course's flight line defines where the pilot or spectator area ends and the course begins.
- d) This flight line is not to be crossed as it will be well marked and highly visible
- e) When you retrieve a drone after a completed race, ensure you cut-off its power immediately.
- f) Location of the first aid kit will be shared with the participants on the event spot.

Pilot Guidelines

- a) Fly only in designated areas.
- b) Fly only at appropriate times (recommend slot).
- c) Only power up your drone/video transmitter while in the Start/Finish area on the course.
- d) When flying on the course, you must be positioned within the designated Pilot Area. DO NOT fly from any other area.
- e) When finishing a race, land in the designated landing area on the course.
- f) DO NOT power up in the pits or while walking from the pits to the course.

- g) Spotters/Team mates can stand in the allocated area with Pilot during the flight for communication purpose.
- h) Proper sportsmanship and conduct is to be exemplified. Examples of poor conduct would include, but are not limited to: affecting another Pilot's Race or Equipment by speech or any sort of tampering or aggressive behavior.
- i) Any Competitor attempting to win a competition by irregular means, fails to follow an Official's order, fails to observe the safety rules, who conducts in a manner unprofessional sport during the competition may be disqualified.

Spectator Etiquette

- The event is fun to watch and discuss. However, please stay away from the pilots within the Pilot Area while they are flying (unless you are acting as a spotter). Clear communication is essential with the pilots for accurate lap scoring, penalties and hazard warnings.

Number of Models

- a) Each competitor may use a maximum of 2 models for the entire event with same specification after verifying it with the Inspection/Verifying Committee.
- b) A model can be used by only one TEAM competitor per event.
- c) In case of an infringement to that rule, all concerned competitors will be disqualified from the event by the event director
- d) The competitor can change the model:
 - i. Before the start of the race as long as the competitor hasn't left the preparation area.
 - ii. Between two rounds of the qualification stage and elimination stage.

Model Processing

- a) Each competitor can register up to 2 models (same/different specifications).
- b) The specifications of the model may be checked by the organizer. It is then recommended to check the following points:
 - Identification mark
 - Flight controller
 - Weight and size.
 - Batteries (voltage).
 - Fail-safe and associated device/programming for arming/disarming the motors.
 - Radio control equipment.
 - VTX, FPV camera and headset goggles/display.
 - LED light (optional)
- c) If a model is lost or damaged after model processing, the competitor shall have the right to further model for checking up before the official starting time of the event.

5. General Drone Racing Rules & Arena

Arena Type

- The ARENA IS TOTALLY INDOOR
- Proper sunny day without rain then there might be some small outdoor patches which will be communicated to each team on the time of entries verification or before the time of practice session.

Race Course Obstacles

- The course will consist of many obstacles including but not limited to gates and hurdles. Some obstacles have a defined requirement for considering them completed and enabling the pilot to move on to the next obstacle in the course. If a pilot misses or does not complete an obstacle successfully, they must go back and fly through the missed gate, hurdle or obstacle otherwise negative points/timing will be allocated according to obstacle difficulty level. Ground touch and Obstacle points/timing). All the obstacles are of appropriate size, made after determining the drone size with ample

- of tolerance/room for maneuverability of tolerance/room for maneuverability drone in case of any crash/accident.

5.1.1. SAMPLES (Reference Purpose)

- If a model is lost or damaged after model processing, the competitor shall have the right to further model for checking up before the official starting time of the event.

6. *General Drone Racing Rules & Arena Type*

- ARENA IS TOTALLY INDOOR as per rainy season concern. If there is no rain and it's a proper sunny day without rain then there might be some small outdoor patches which will be communicated to each team on the time of entries verification or before the time of practice session. The course will consist of many obstacles including but not limited to gates and hurdles. Some obstacles have a defined requirement for considering them completed and enabling the pilot to move on to the next course. If a pilot misses or does not complete an obstacle successfully, they must go back and fly through the missed gate, hurdle or obstacle otherwise negative points/timing will be allocated according to obstacle difficulty level. Ground touch and Obstacle touch are counted as foul (). All obstacles are of appropriate size, made after determining drone size with ample maneuverability.

7. DUMB CHARADES ON BOOKS

- Participation can be only as an individual.
- The language of speech should be English only.
- A bell would be sounded after 1 minute indicting the speaker to conclude his/her speech and next speaker to come up.
- The Judge's decision will be final and binding to all.

8. GAME OF CODES

There will be two rounds in the contest

Round A:

- Each team would be given 5 problems.
- The participants need to code the given problems in C/C++ statements.
- Duration: 45 Minutes.

Round B:

- Each team would be given 5 problems.
- The participants need to code the given problems in Python/.NET statements.
- Time limit will be 45 minutes.
- The Judge's decision will be final and binding to all.

9. INNOVATION & ENTREPRENEURSHIP JEOPARDY

- Questions will be of Innovation & Entrepreneurship type.
- Each college can send one team only.
- Each team to have 2 members.
- To answer question team will be given 10 second.
- Each question will carry 3 points for correct answer.
- For wrong answer no point will be given. No negative points will be awarded.
- Only ONE attempt for one question is permissible.
- For no answer attempted, question will be passed to next team.
- Next team needs to question in 5 seconds, 1point for right answer will be awarded.
- 5 to 10 rounds depending upon number of teams participating & availability
- The Judge's decision will be final and binding to all.

10. INNOVATIVE PROTOTYPE/PROJECT EXHIBITION

The students working on any innovative models or the final year projects or Prototype can participate.

Projects from the following domain can participate:

- Social Impact/Social Entrepreneurship
- Agri/Rural Development
- Energy Sector
- Cutting-Edge Technologies (AI/ML/Robotics/Drone etc.)
- Waste Management
- Clean/Green technology
- Water Resource Management

RULES

- Individual or a team of 2 member can participate with one project
- The project/prototype should have novelty.
- Participants will have to explain their concept to the jury.
- The Judge's decision will be final and binding to all.

11. JUNKYARD WAR

- Maximum 2 members are allowed
- Item to be made can be of any nature, may be civil, mechanical, electrical etc.
- Materials to decorate and customize should be made out of the scrap provided.
- Use of colours or any other decorative items are prohibited.
- Participants need to bring adhesives, tapes, scissors and cutting tools themselves.
- Participants would be given 1 hour to make something useful.
- After 45 mins there will be a bell indicating that only 15 mins are left.
- Participants need to explain the concepts of what they have made.

12. ROBO RACE

- Design a manually controlled ROBOT that has capacity to cover maximum distance in shortest possible time, challenging the hurdles and be one of the best opponents.
- The maximum dimension of the robot can be 350 x 350 mm (L x B).
- The robot should be wireless only.
- Max weight must not exceed 5 kg (Battery-weight included)
- The DC power supply between any two terminals shouldn't exceed 24 Volts.
- Use of IC Engines, and compressors aren't allowed.
- Readymade toys car is not allowed.
- The Judge's decision will be final and binding to all.

Each team can have maximum four (4) members.

- Each member of the team must contain the identity card of their respective Institute.
- Robot must not leave any parts during run; else it will result in disqualification.
- Unethical behavior could lead to disqualification.
- Three times hand touches are allowed with penalty of 15 seconds for each hand touch, penalty time will be added further to overall time required by robot for completion of specified round.
- If any of the robots starts off before start up call, the counter would be restated and the machines will get a second chance. If repeated again then team will be disqualified.
- Your robot must be ready when call is made for your team.
- Decision about your robot will be taken by the organizers.

ARENA

- Track width is 45 cm normally and it may change at some place.
- The track surface and course line may have unevenness.
- There might be abrupt angles but these will not exceed 30 degrees.
- The design and size of the obstacles in the race track will try to slow down the robot.
- Major changes will be notified on the website.

- Arena will consist of switch gate, down, seesaw, stone, pit, rollers, rotating disc, tunnel and other hindrances.

PHASE IN THE EVENT

- Competition is based on time trail system. There will be qualifying round for each team.
- The top team from qualifying round makes it to the final round on the basis of time trails.
- The Judge's decision will be final and binding to all.

13. ROBO WARS

- Design and fabricate a remote-controlled robot capable of fighting, in a one-on-one tournament.
- The Robot should be 500X500X500 (L, B, H), the weight shouldn't exceed 50 Kgs including batteries, pneumatic sources, tank and transmitter.
- The power supply must be on board.
- The Teams must have 2 frequency wireless remote control, to avoid frequency interference.
- Ready-made remote-control systems (Toy Remote) may be used.
- The DC power supply between any two terminals shouldn't exceed 24 Volts.
- A robot is declared victorious if its opponent is immobilized.
- Participants must protect the battery terminals from a direct short and causing a battery fire, failure to do so will cause direct disqualification.
- Change of battery will not be allowed during the match.
- Only bots with onboard batteries will be allowed.

A robot will be declared immobile if it cannot display linear motion of at least one inch in a timed period of 30 seconds. A bot with one side of its drive train disabled will not be counted out if it can demonstrate some degree of controlled movement. In case both the robots remain mobile after the end of the round then the winner will be decided subjectively.

- A robot can use pressurized non-flammable gases to actuate pneumatic devices. Maximum allowed outlet nozzle pressure is 50 bars*. The storage tank and pressure regulators used by teams need to be certified and teams using pneumatics are required to produce the Safety and Security letters at the Registration Desk at the venue. Failure to do so will lead to direct disqualification.
- Participants must be able to indicate the used pressure with an integrated or temporarily fitted pressure gauge. Also, there must be some provision to check the cylinder pressure on the bot.
- The entire pneumatic setup should be on board. No external input (from outside the arena) can be given to the robot for functioning of its pneumatic system. It is also applicable for the Hydraulic Weapon System g.
- A robot that is deemed unsafe by the judges after the match has begun will be disqualified and therefore declared the loser. The match will be immediately halted and the opponent will be awarded a win.
- If a robot is thrown out of the arena the match will stop immediately and the robot still inside the arena will automatically be declared as the winner.
- Robots cannot win by pinning or lifting their opponents. Organizers will allow pinning or lifting for a maximum of 20 seconds per pin/lift then the attacker robot will be

instructed to release the opponent. If, after being instructed to do so, the attacker is able to release but does not, their robot may be disqualified. If two or more robots become entangled or a crushing or gripping weapon is employed and becomes trapped within another robot, then the competitors should make the time keeper aware, the fight should be stopped and the robots separated by the safest means.

Weapon Systems:

1. Robots can have any kind of magnetic weapons, cutters, flippers, saws, lifting devices, spinning hammers etc. (if they qualify the criteria mentioned below) as weapons.
2. Following weapons cannot be used:
 - a. Liquid projectiles (Foam, liquefied gases)
 - b. Any kinds of inflammable liquids
 - c. Weapons causing invisible damage (Electrical weapons, RF jamming weapons and others).
 - d. Weapons causing opponents' weapons (spinners) to entangle in them (Chains, Ropes or loose Fabrics).
3. Spinning weapons:
 - a. The weapon must come to a full stop within 60 seconds of the power being removed using a self-contained braking system.
4. Spring-loaded or flywheels:
 - a. Under no circumstances must a large spring be loaded when the robot is out of the arena or testing area.
 - b. All springs, flywheels, and similar kinetic energy storing devices must fail to a safe position on loss of radio contact or power.
5. Flame based:
 - a. Flame rules may change subject to infrastructural and safety limitations.
 - b. Fuel must exit the robot and be ignited as a gas. It cannot leave the robot in a liquid or gelled form or use oxidizers.
 - c. Fuel types allowed are propane and butane, the maximum quantity allowed is 16 floz (473.18ml).
 - d. The ignition system must have a remotely operated shut-off that allows the controller to disable it using the radio control system.
 - The Judge's decision will be final and binding to all.

Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow

Dr. Abdul Kalam Technical, Literary & Management Fest, 2022-23 (Zonal Level)

Registration Proforma

A. Details of the Zonal Center and Participating College

Name of the Zone		Name of the Zonal Center	
Zonal Centre College Code		Name of the Participating College	
Participating College Code		Name of the Director/Principal	
Email-id of the Director/Principal		Mob. No. of the Director/Principal	
Name of Team Manager		Designation of Team Manager	
Email-id of Team Manager		Mob. No. of Team Manager	

B. Consolidated List of Participants

S. No.	Name of student	Father's Name	Roll Number	Course	Year	Branch	Aadhar No.	Gender	Date of Birth	Date & Year of Passing Qualifying Examination for First Admission to College/University		Date & Year of First Admission to		Mobile No
										Name of Exam	Date & Year	Univ.	Present Course	
1.														
2.														

C. Event wise List of Participants

(i) Name of the Event:

Male/Female:

No. of Participants:

S. No.	Name of student	Father's Name	Roll Number	Course	Year	Branch	Aadhar No.	Fooding Required	Lodging Required
1.									
2.									

Signature of Director/Principal

Seal of the Institute

Note: Please send a copy of filled registration proforma (scanned signed copy along with in excel sheet) to Zonal center as well as to DSW, AKTU on email id: dean.sw@aktu.ac.in.

Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow
Dr. Abdul Kalam Technical, Literary & Management Fest, 2022-23

Report from Zonal Center for State Level Center
Details of Winners (Gold Medalist) at Zonal Level

Details of the Zonal Center

Date of the Fest: _____

Name of the Zone		Name of the Zonal Center	
Zonal Centre College Code		Name of the Director/Principal	
Email-id of the Director/Principal		Mob. No. of the Director/Principal	
Name of Zonal Center Coordinator		Designation of Zonal Coordinator	
Email-id of Coordinator		Mob. No. of Coordinator	

RESULT

1. Name of the Event:

Male/Female:

Details of the Winning College

Name of the College		College Code	
Name of Team Manager		Mob. No. of Team Manager	

Details of the Winner (s)

S. No.	Name of the student	Father's Name	Roll Number	Course	Year	Branch	Aadhar No.	Mobile No.

Signature of Coordinator
Zonal Center

Signature of Director/Principal
Zonal Center

Seal of the Institute/College

Note:

1. Please send this report to State Level Center within three days after completion of the Zonal Events. Prepare report alphabetically eventwise.
2. Also send a copy of the report to Dean Student Welfare, AKTU on email id: dean.sw@aktu.ac.in
3. ***Please send one copy of the Result in Excel sheet/Word File also which will be helpful in preparation at State Level.***

Dr. Abdul Kalam Technical, Literary & Management Fest 2022-23

Requisition for Advance Amount

(To be submitted to Dean Student Welfare, Dr.A.P.J. Abdul Kalam Technical University, Lucknow)

S. No.	Particulars		
1.	Name and Address of the Institute/College		
2.	College Code		
3.	Details of the Director/Principal	Name	
		Email ID	
		Mobile Number	
4.	Email ID of the Institute/College		
5.	Details of Fest Coordinator	Name	
		Designation	
		Email ID	
		Mobile Number	
6.	Dates of the Fest		
7.	Amount of Advance Requested		
8.	Bank Account Details of the Institute/College	Account No.	
		Bank Name	
		Bank Address	
		IFSC Code	
9.	PAN details of College (Submit PAN copy)		

DECLARATION

I hereby declare that I agree to conduct the aforesaid Fest as per guidelines/circular of the University and shall not claim any reimbursement in this regard other than whatever is stated in the guidelines/circular. I request that an advance of Rs..... be sanctioned in favour of our Institute/College. The Institute/College will submit Fest Report and utilisation certificate (Form-2) within one week of the events organised.

Signature and Seal of the Director/Principal

Dr. Abdul Kalam Technical, Literary & Management Fest, 2022-23

Adjustment of Advance Amount

(To be submitted to Dean Student Welfare, Dr. A.P. J. Abdul Kalam Technical University, Lucknow)

Note: A detailed report of the Fest should be submitted along with this advance adjustment form. Report should contain details of participating institutions, participants, result, judges, photographs, newspaper report, etc. Also send soft copy of the report at email **dean.sw@aktu.ac.in**

S. No.	Particulars		
1.	Name and Address of the Institute/College		
2.	College Code		
3.	Details of the Director/Principal	Name	
		Email ID	
		Mobile Number	
4.	Email ID of the Institute/College		
5.	Details of Fest Coordinator	Name	
		Designation	
		Email ID	
		Mobile Number	
6.	Dates of the Fest		
7.	Advance Amount Received (X)		
8.	Amount Spent (Y)		
9.	Amount Claimed (Y-X)		
10.	Bank Account Details of the Institute/College	Account No.	
		Bank Name	
		Bank Address	
		IFSC Code	
11.	PAN details of College (Submit PAN copy)		

Note: Please must enclose the detailed break up and bills/TA forms / honorarium etc. as annexure. Use the University Performa for the payment of TA/DA and Honorarium.

Declaration: I hereby declare that aforesaid Fest has been conducted as per guidelines/circular of the University and amount of reimbursement claimed has been spent on the conduction of said Activity as per University guidelines/circular in this regard.

Signature and Seal of the Director/Principal

Dr. Abdul Kalam Technical, Literary & Management Fest, 2022-23

Checklist for submitting the claim of Expenditure in the Fest

(Note: Attach the checklist also while submitting the claim to AKTU)

A. DETAILS OF THE ZONAL CENTER:

Name of the Zone	
Name of the Zonal Center/College	
Zonal Centre/College Code	
Name of the Director/Principal	
Email-id of the Director/Principal	
Mob. No. of the Director/Principal	
Name of Zonal Center Coordinator	
Designation of Zonal Center Coordinator	
Email-id of Zonal Center Coordinator	
Mob. No. of Zonal Center Coordinator	

B. CHECK LIST

S. No.	Documents	Yes/ No
1.	Completely filled Form-2	
2.	Summary of the bills (if tents/chairs/tables, etc. are used then number of items used and rates should be mentioned separately on the bills)	
3.	Completely filled TA/DA forms with supportive documents (if journey is done by own car, photocopy of RC should be enclosed with bill)	
4.	Receipt of the honorarium paid to Judges/Referees	
5.	Originals bills verified by the Director of the Institute. Only original bills are to be submitted	
6.	Detailed Outcome report of events including News Paper report	
7.	Videography and photography in Pen drive	
8.	Certificate Certified by the Director of the Institute (<i>Annexure-I</i>)	

Signature of Coordinator
Zonal Center

Signature of Director/Principal
Zonal Center

Date: _____

Seal of the Institute/College

संस्थान निदेशक द्वारा कार्यक्रम से संबंधित प्रमाण पत्र

प्रमाणित किया जाता है कि संस्थान द्वारा विश्वविद्यालय के अनुमोदन संख्या के अनुक्रम मे कार्यक्रम का दिनांकको आयोजन किया गया जिसकी CD तथा व्यय विवरण मूल दावों सहित सत्यापित कर भुगतान/समायोजन हेतु संलग्न कर प्रेषित किया जा रहा है।

यह भी प्रमाणित किया जाता है कि संस्थान द्वारा रु.....अग्रिम प्राप्त किया गया था और इस धनराशि के समायोजन का दावा प्रथम बार प्रस्तुत किया जा रहा है तथा शेष धनराशि रु..... का भुगतान नहीं प्राप्त किया गया है।

प्रमाणित किया जाता है कि कार्यक्रम के आयोजन पर व्यय की प्रतिपूर्ति हेतु प्रेषित व्यय प्रमाणकों की स्टाक रजिस्टर में इंट्री दर्ज की गयी है तथा स्टाक रजिस्टर की संबंधित पृष्ठ की फोटोकापी संलग्न है।

यह प्रमाणित किया जाता है कि यथावश्यक TDS काट लिया गया है तथा चालान से जमा करा दिया गया है।

दिनांक :

निदेशक के हस्ताक्षर
संस्था का नाम
संस्था की मुहर

.....

Dr. A.P.J. Abdul Kalam Technical University

Sect-11, Jankipuram Extension, Sitapur Road, Lucknow- 226031

TA/DA and honorarium/remuneration Bill

1.	Full Name (As per full name in Bank)	
2.	Designation	
3.	Postal address	
4.	Name of Institution	
5.	Visited University/Institute Name with Code	
6.	Pay scale and present basic pay	
7.	Whether retired or still in service	
8.	Permanent account no. (PAN)	
9.	Bank account no.	
9.	Bank name & branch address	
10.	IFS Code	
11.	Purpose of visit	
12.	Chairperson/Director/Principal Name	
13.	Convener/Coordinator/organizer Name	
14.	Date / Periods	

* Above information from 1 to 14 is mandatory.

15. Details of Journey (Including from and to residence/office and airport/Railway Station etc.)

Number of Car/Taxi is Used during the visit:(Own / Rental)

Departure		Arrival		Mode of Journey	@@	Distance in Km.	Fare Paid Air/Rail/ Taxi etc.	Air/Rail Ticket No.
From	Date/Time	To	Date/Time					

Note: If Transport/Air Ticket is provided by AKTU kindly mention details and attached self verified copy of tickets.

@@: In case travelled be car/Taxi please indicate car/taxi number and specify whether it was on shared or individual basis. Also indicate the number of persons in the above mentioned column who shared the car/taxi

16. (a) Mention whether fooding and lodging were provided be the University/Institute : (Yes/No)

(b) If yes, no DA is admissible.

(c) If no, DA is admissible as per University norms.

(i) Duration of stay in days (No. of days):.....
Total Amount (Rs.).....

17. Honorarium/ Remuneration

(i) Number of sitting/Days.....

(ii) Rate of Honorarium/Remuneration per sitting/per student/Day.....

(iii) Total Amount (Rs.).....

18. Grand Total Amount (Sum of serial Number of 15 +16+17) (Rs.).....

19. Certified that:

- 1) This claim has been submitted for the first time and this claim has not been submitted before.
- 2) Particulars provided herewith are correct in all respect and as per rules.
- 3) Neither I have claimed TA/DA etc. for this journey from any other source nor I have got any payment for this journey/work.

Place:

Date:.....

Signature of Claimant

PAYEE'S Pre RECEIPTS

Received Rs. (Rupees in words)

**Signature of Claimant
(Revenue Stamp)**

(to be filled by convener/coordinator/organizer)

The Claimant was invited under the authority of controlling officer and his attendance and claim as above is verified

Signature of Convener/Coordinator/organizer

Signature of Chairperson/Director/Principal

**Office Use
(to be completed by finance section)**

- | | |
|----------------------------|-----------|
| 1. DA.....Days @ | Rs. ----- |
| 2. TA | Rs. ----- |
| 3. Honorarium/Remuneration | Rs. ----- |
| 4. Grant Total | Rs. ----- |
| 5. TDS@ 10% (-) | Rs. ----- |
| 6. Net Amount to be paid | Rs. ----- |

Passed for payment Rs.

Asst. Accountant/Accountant

F&A.O.

Finance Officer /D.D.O.



Dr. A.P.J. Abdul Kalam Technical University - Lucknow

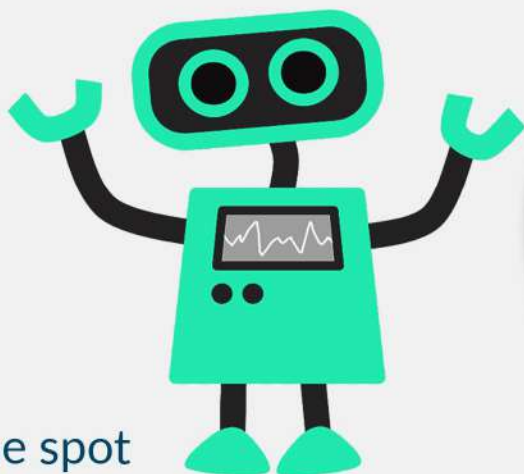
Sec-11, Jankipuram Vistar, Lucknow - 226031, Uttar Pradesh



DR. ABDUL KALAM TECHNICAL, LITERARY & MANAGEMENT FEST 2022-23

EVENTS

1. Bridge Kriti
2. Business Plan
3. Best Shot on the spot
4. Debate
5. Declamation
6. Drone Flying Competition
7. Dumb Charades on books
8. Game of Codes
9. Innovation & Entrepreneurship Jeopardy
10. Innovative Prototype/Project Exhibition
11. Junkyard War
12. Robo Race
13. Robo War



Fest Schedule at

Zonal

*Level: 09-10
December, 2022*

Fest Schedule at

State

*Level: 10-11
February, 2023*

For More Details Please Visit : <https://aktu.ac.in>



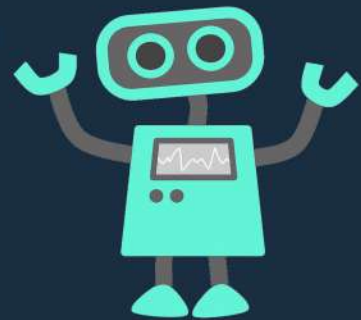
**DR. ABDUL KALAM TECHNICAL, LITERARY
& MANAGEMENT FEST**



2022-23

EVENTS

1. *Bridge Kriti*
2. *Business Plan*
3. *Best Shot on the spot*
4. *Debate*
5. *Declamation*
6. *Drone Flying Competition*
7. *Dumb Charades on books*
8. *Game of Codes*
9. *Innovation & Entrepreneurship Jeopardy*
10. *Innovative Prototype/Project Exhibition*
11. *Junkyard War*
12. *Robo Race*
13. *Robo War*



**Fest Schedule at Zonal
Level: 09-10
December, 2022**

**Fest Schedule at State
Level: 10-11
February, 2023**

For More Details Please Visit : <https://aktu.ac.in>