

To  
  
Dean Student Affairs  
  
Punjab Engineering College  
  
Chandigarh  
  
Through  
  
Associate Dean Student Affairs  
  
(Technical Societies)  
  
Punjab Engineering College  
  
Chandigarh  
  
2<sup>nd</sup> February 2025

Subject: Letter of Intent for sending our contingent to Techkriti’25 IIT Kanpur.

Respected Sir / Ma’am,

We, the students of INDIAN INSTITUTE OF METALS (IIM) are willing to participate in the Techkriti’25 IIT Kanpur, a premier technology festival held annually at IIT Kanpur, Uttar Pradesh, where teams from across the globe gather to compete against each other. This festival stands as a monumental platform for the educational and professional advancement of students, allowing us to represent our institute on an international stage.

Last semester, our students were honored with awards in various competitions, and have organized a 4-Day workshop on RC Aircraft Building, making sure our students have learnt it all. This semester, we are aiming to compete in the **Boeing National Aeromodelling Competition’s North Zone** and **IARC (Line follower bot)**, to gain experience and broaden our technical horizons, there by bringing laurels to our prestigious institution.

For this purpose, we request financial assistance for our team. We assure you that participating in this festival will not only be a comprehensive educational journey for the students but will also enhance the reputation of our institute.

The event is scheduled at the IIT Kanpur campus from 27th March to 30th March, 2025. The participants were meticulously selected through a rigorous internal competition, ensuring that only the most skilled team represented us. Enclosed herewith is the list of students, the brochure of the event, and photographs of their innovative model for your perusal.

Manish Sharma Kaustabh R. Kamble

(Secretary) (Office Incharge)

IIM IIM

NATIONAL AEROMODELLING COMPETITION

Description: The National Aeromodelling Competition challenges participants to design, build, and fly model aircraft. Teams compete in various tasks, showcasing their engineering, creativity, and flying skills. This competition tests aerodynamics, innovation, and precision in a dynamic and exciting environment. It also provides an opportunity for students to work as a team and test their skills.

List of team members:

Team Name	Name	SID	Branch
NAILED IT GANG	Kushagra Bhandari	24104075	Electrical
	Rudraksh Parsai	24104065	Electrical
	Rudra Goyal	24104062	Electrical
	Harshit Gupta	24104059	Electrical

IARC (Line follower)

Description: The ultimate autonomous robotics challenge at Techkriti' 25. Design and build bots to solve intricate mazes, decode nodes, and tackle speed and angle tasks with precision. Showcase your innovation, engineering, and coding skills. Compete with top teams globally and achieve robotic glory.

List of team members:

Team Name	Name	SID	Branch
NOSFERATU	Kushagra Bhandari	24104075	Electrical
	Rudraksh Parsai	24104065	Electrical
	Rudra Goyal	24104062	Electrical
	Harshit Gupta	24104059	Electrical
	Vishwa Naresh Srivastava	24101018	Aerospace

## Estimated Expenditure:

S. No.	Category	Amount	Justification
1	Accommodation	Rs. 900	6 team members for 5 days (2800 * 6 ) = Rs. 16,800
2	Food	Rs. 6,000	6 team members for 5 days (100*6*5=Rs 3000)
3	Train Travel	Rs. 12,420	6 participants going from Chandigarh to Kanpur (1,035 * 6 * 2) – Unchahar Express 3AC
4	Local travel	Rs.3,000	6 participants local travel (100*6*5) = Rs.3,000 1. Thermocol and foam material with fibre taping = 2,643  2. Servo Motors (x5) – 5*140 = 700  3. Electronic Speed Controller (x1) = 650  4. 3S battery 2200Mah x1 = 1,100  5. Motor Driver (x2) = 300  6. IR sensor ARRAY = 295  7.N20 motors with encoder (x4) = 1,880  8.Raspberry Pi Pico = 500 9. Battery = 1,000  10. UV sensor = 500  11. Lcd display = 400  12. Buzzer = 50  13. 3D printed wing parts = 1,110  14. chassis = 525  15. Motor driver TB6612FNG (x2) = 334  16. Metal ball caster wheel = 44
5	Material Required	Rs. 12,031	
Grand Total			<b>Rs. 47,776</b>

## Event Brochure:



COMPETITION

INTRODUCTION

GENERAL RULES

ABSTRACT

UPDATES

## SKYSPARKS

Skysparks Techkriti's new version of the competition offers aerospace enthusiasts the chance to showcase their skills in flying manoeuvres such as payload dropping, limbo flying, and on-the-spot landing at Skysparks, the Boeing National Aeromodelling Competition's North Zone.

Registration deadline: 09-02-2025

Main fest dates: 27<sup>th</sup> March, 2025 - 30<sup>th</sup> March, 2025

Prize Pool Worth:  
₹2,50,000/-

YOUR ABSTRACT HAS NOT BEEN  
YET VERIFIED.

PROBLEM STATEMENT



INTRODUCTION

GENERAL RULES

## IARC

Join IARC, the ultimate autonomous robot competition at Techkriti' 25! Design and build your robot to navigate, decode nodes, and tackle speed challenges. Showcase your innovation, engineering skills, and compete with top teams globally. Ready to lead the future? Register now!

Registration deadline: 09-02-2025

Main fest dates: 27<sup>th</sup> March, 2025 - 30<sup>th</sup> March, 2025

Prize Pool Worth:  
₹1,25,000/-

YOUR ABSTRACT HAS NOT BEEN  
YET SUBMITTED.



Train Tickets:

From Chandigarh to Kanpur



Booked From

CHANDIGARH (CDG)  
Start Date\* 26-Mar-2025

Boarding At

CHANDIGARH (CDG)  
Departure\* 16:45 26-Mar-2025

PNR

2557759999

Train No./Name

14218 / UNCHAHR EXP

Quota

GENERAL (GN)

Distance

700 KM

Passenger Details

#	Name	Age	Gender	Booking Status
1.	KUSHAGRA	19	M	CNF/B4/49/LOWER
2.	RUDRAKSH PARSAI	19	M	CNF/B4/50/MIDDLE
3.	RUDRA GOYAL	18	M	CNF/B4/51/UPPER
4.	HARSHIT GUPTA	20	M	CNF/B4/52/LOWER
5.	VISHWA SRIVASTAV	19	M	CNF/B4/53/MIDDLE
6.	PARTH SAILWAL	19	M	CNF/B4/54/UPPER

Acronyms:

RLWL: REMOTE LOCATION WAITLIST

PQWL: POOLED QUOTA WAITLIST

Transaction ID: 100005571733013

IR recovers only 57% of cost of travel on an average.

Payment Details

Ticket Fare	₹ 6,180.00
IRCTC Convenience Fee (Incl. of GST)	₹ 23.60
Travel Insurance Premium (Incl. of GST)	₹ 2.70
Total Fare (all inclusive)	₹ 6,206.30

PG Charges as applicable (Additional)

- Beware of fraudulent customer care number. For any assistance, use only the IRCTC e-ticketing Customer care number:14646.
- IRCTC Convenience Fee is charged per e-ticket irrespective of number of passengers on the ticket.
- \* The printed Departure and Arrival Times are liable to change. Please Check correct departure, arrival from Railway Station Enquiry or Dial 139 or SMS RAIL to 139.

From Kanpur to Chandigarh





Booked From

Boarding At

To

KANPUR CENTRAL - CNB  
(KANPUR)

KANPUR CENTRAL (CNB)

CHANDIGARH (CDG)

Start Date\* 31-Mar-2025

Departure\* 19:40 31-Mar-2025

Arrival\* 09:15 01-Apr-2025

PNR

Train No./Name

Class

2810175089

14217 / UNCHAHAH EXP

THIRD AC (3A)

Quota

Distance

Booking Date

GENERAL (GN)

700 KM

03-Feb-2025 22:14:38 HRS

**Passenger Details**

#	Name	Age	Gender	Booking Status	Current Status
1.	KUSHAGRA	19	M	CNF/B1/44/LOWER	CNF /B1/44/LOWER
2.	RUDRAKSH	19	M	CNF/B1/48/SIDE UPPER	CNF /B1/48/SIDE UPPER
3.	HARSHIT	20	M	CNF/B1/41/LOWER	CNF /B1/41/LOWER
4.	RUDRA	18	M	CNF/B1/42/MIDDLE	CNF /B1/42/MIDDLE
5.	ABHINAV	18	M	CNF/B1/43/UPPER	CNF /B1/43/UPPER
6.	VISHVA	18	M	CNF/B1/45/MIDDLE	CNF /B1/45/MIDDLE

Acronyms:

RLWL: REMOTE LOCATION WAITLIST

PQWL: POOLED QUOTA WAITLIST

RSWL: ROAD-SIDE WAITLIST

Transaction ID: 100005569662452

IR recovers only 57% of cost of travel on an average.

**Payment Details**

Ticket Fare	₹ 6,180.00
IRCTC Convenience Fee (Incl. of GST)	₹ 23.60
Travel Insurance Premium (Incl. of GST)	₹ 2.70
Total Fare (all inclusive)	₹ 6,206.30

PG Charges as applicable (Additional)



• Beware of fraudulent customer care number. For any assistance, use only the IRCTC e-ticketing Customer care number:14646.

IRCTC Convenience Fee is charged per e-ticket irrespective of number of passengers on the ticket.

\* The printed Departure and Arrival Times are liable to change. Please Check correct departure, arrival from Railway Station Enquiry or Dial 139 or SMS RAIL to 139.

Tickets were booked earlier due to limited availability of seats.

Team Registration:

## Fwd: Techkriti'25 Registration Confirmation Inbox x

**bt24101022 Abhinav Bisht** <abhinavbisht.bt24aero@pec.edu.in>  
to me ▾

----- Forwarded message -----

From: <noreply@techkriti.org>  
Date: Sun, 26 Jan 2025 at 5:25 PM  
Subject: Techkriti'25 Registration Confirmation  
To: <abhinavbisht.bt24aero@pec.edu.in>

Dear Abhinav Bisht,

We are pleased to inform you that your team, "Nosferatu," has successfully registered for the IARC competition at Techkriti'25. Your assigned Team

To facilitate seamless collaboration within your team, please share the Team ID with your teammates. They can use this identifier to directly join you. You have the option to add team members directly to your team from your dashboard by using their registered email addresses.

If you encounter any issues or have further inquiries, please feel free to reach out to us. Thank you for your participation, and we look forward to an

Best regards,  
Team Techkriti



noreply@techkriti.org

to me ▾

Dear Kushagra Bhandari,

We are pleased to inform you that your team, "Nailed It Gang," has successfully registered for the Skysparks competition at Techkriti'25. Your assigned Team ID is 123456789.

To facilitate seamless collaboration within your team, please share the Team ID with your teammates. They can use this identifier to directly join your team through your dashboard by using their registered email addresses.

If you encounter any issues or have further inquiries, please feel free to reach out to us. Thank you for your participation, and we look forward to an exciting competition!

Best regards,  
Team Techkriti

[↩ Reply](#)[➡ Forward](#)**Punjab Engineering College (Deemed to be University), Chandigarh****PERFORMA FOR EVENT PERMISSION AND FINANCIAL SANCTION BY CLUBS/SOCIETIES/SPORTS DEPARTMENT**

<b>Name of Club/Technical Society:</b>	INDIAN INSTITUTE OF METALS (IIM)
<b>Event Name:</b>	Boeing Aeromodelling Competition and IARC
<b>Date:</b>	27 <sup>th</sup> to 30 <sup>th</sup> March 2025
<b>Venue(s):</b>	IIT KANPUR
<b>Time:</b>	All day

Brief Event Description:

**AEROMODELLING:** The National Aeromodelling Competition challenges participants to design, build, and fly model aircraft. Teams compete in various tasks, showcasing their engineering, creativity, and flying skills. This competition tests aerodynamics, innovation, and precision in a dynamic and exciting environment. It also provides an opportunity for students to work as a team and test their skills.

**IARC:** The ultimate autonomous robotics challenge at Techkriti' 25. Design and build bots to solve intricate mazes, decode nodes, and tackle speed and angle tasks with precision. Showcase your innovation, engineering, and coding skills. Compete with top teams globally and achieve robotic glory.

Event Proposal signed by Club Secretary attached along with the sanction? YES/NO  
Permission may please be granted for conducting the above-mentioned event.

**EXPENDITURE DETAILS (Enter NIL if no funding required)**

Estimated Expenditure:

S. No.	Category	Amount	Justification
1	Accommodation	Rs. 16,800	6 team members for 5 days $(2800 * 6) = \text{Rs. } 16,800$
2	Food	Rs. 3,000	6 team members for 5 days $100 * 6 * 5 = \text{Rs. } 3,000$
3	Train Travel	Rs. 12,420	6 participants going from Chandigarh to Kanpur $(1,035 * 6 * 2) - \text{Unchahar Express } 3AC$
4	Local travel	Rs.3,000	6 participants local travel $(100*6*5) = \text{Rs.}3,000$ 1. Thermocol and foam material with fibre taping = 2,643 2. Servo Motors (x5) – $5*140 = 700$ 3. Electronic Speed Controller (x1) = 650 4. 3S battery 2200Mah x1 = 1,100 5. Motor Driver (x2) = 300 6. IR sensor ARRAY = 295 7.N20 motors with encoder (x4) = 1,880

5	Material Required Rs. 12,031	8.Raspberry Pi Pico = 500
		9. Battery = 1,000
		10. UV sensor = 500
		11. Lcd display = 400
		12. Buzzer = 50
		13. 3D printed wing parts = 1,110
		14. chassis = 525
		15. Motor driver TB6612FNG (x2) = 334
		16. Metal ball caster wheel = 44
<b>Grand Total</b>		<b>Rs. 47,776</b>

Financial Sanction may kindly be accorded for Rs. 47,776 as per the above details. The expenditure will be met out from the SSF.

(Signature of Club Secretary) (Signature of CCS/CTS/Sports Secy.)

EVENT DETAILS & EXPENDITURE HAS BEEN VERIFIED

1. O/I Club/Technical Societies	Recommended/Not Recommended
1. ADSA(TS)	

Entered in Clubs/Societies Register at Page No. \_\_\_\_\_  
Verified by Clerk, DSA Office

Sanction/Not Sanctioned  
Dean Students Affairs

### Travel norms for UG and PG students

S.No	Mode of journey	Entitlement of UG Students	Entitlement of PG Students
1.	Train	First Class/AC 3-tier/AC Chair Car	>AC 2 tier
2.	Bus/Road	Actual fare by any type ofpublicbus other than AC bus	>Actual fare by any type ofpublic bus including AC bus
3.	Local travel	Reimbursement uptoRs. 50 per diem for travel within city	>Reimbursement upto Rs. 100per diem for travel within city
4.	Boarding/Loading	Reimbursement uptoRs. 300/-per day	>Reimbursement upto Rs. 500 per day
5.	FoodExpenses	Reimbursement uptoRs. 100 per day	>Reimbursement upto Rs. 150per day

1. In case of group tour an A.C bus may be hired by adopting the institute purchase procedures.
2. For any other related TA/DA issues, Central Government Rules shall be followed.
3. Director is empowered to relax the above norms in special cases.

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### UNDERTAKING

**Subject:** Declaration of Responsibility for Unapproved Expenses

Dear Sir/Madam,

This is to certify that the following students, who are participating in the **Boeing National Aeromodelling Competition's North Zone and IARC (Line follower bot)** at IIT Kanpur, understand and agree to bear all expenses that are not approved during the audit process. The students acknowledge that any bills or expenditures that fail to pass the institutional audit will be their personal responsibility.

The students accepting this financial responsibility are:

1. Kushagra Bhandari
2. Harshit Gupta
3. Rudraksh Parsai
4. Rudra Goyal
5. Vishwa Naresh Srivastava



6. Abhinav Bisht

This declaration is being submitted as an official record and acknowledgment of their understanding of the financial obligations associated with our participation.

Signed by:

1. \_\_\_\_\_ (Kushagra Bhandari)
2. \_\_\_\_\_ (Harshit Gupta)
3. \_\_\_\_\_ (Rudraksh Parsai)
4. \_\_\_\_\_ (Rudra Goyal)
5. \_\_\_\_\_ (Vishwa Naresh Srivastava)
6. \_\_\_\_\_ (Abhinav Bisht)

Forwarded & Recommended by:

Secretary (IIM PEC) Professor Incharge

Manish Sharma Kaustabh R. Kamble