

NATIONAL ENGINEERING ROBOTICS CONTEST 2026



NERC 26

PARTICIPATION GUIDE

For Teams and Contest Staff
National Engineering Robotics Contest 2026
A joint venture of NUST and the STEM Careers Program (HEC)

Organized by:

Department of Mechatronics Engineering College of Electrical and Mechanical Engineering
(DMTs)

National University of Sciences and Technology, Pakistan

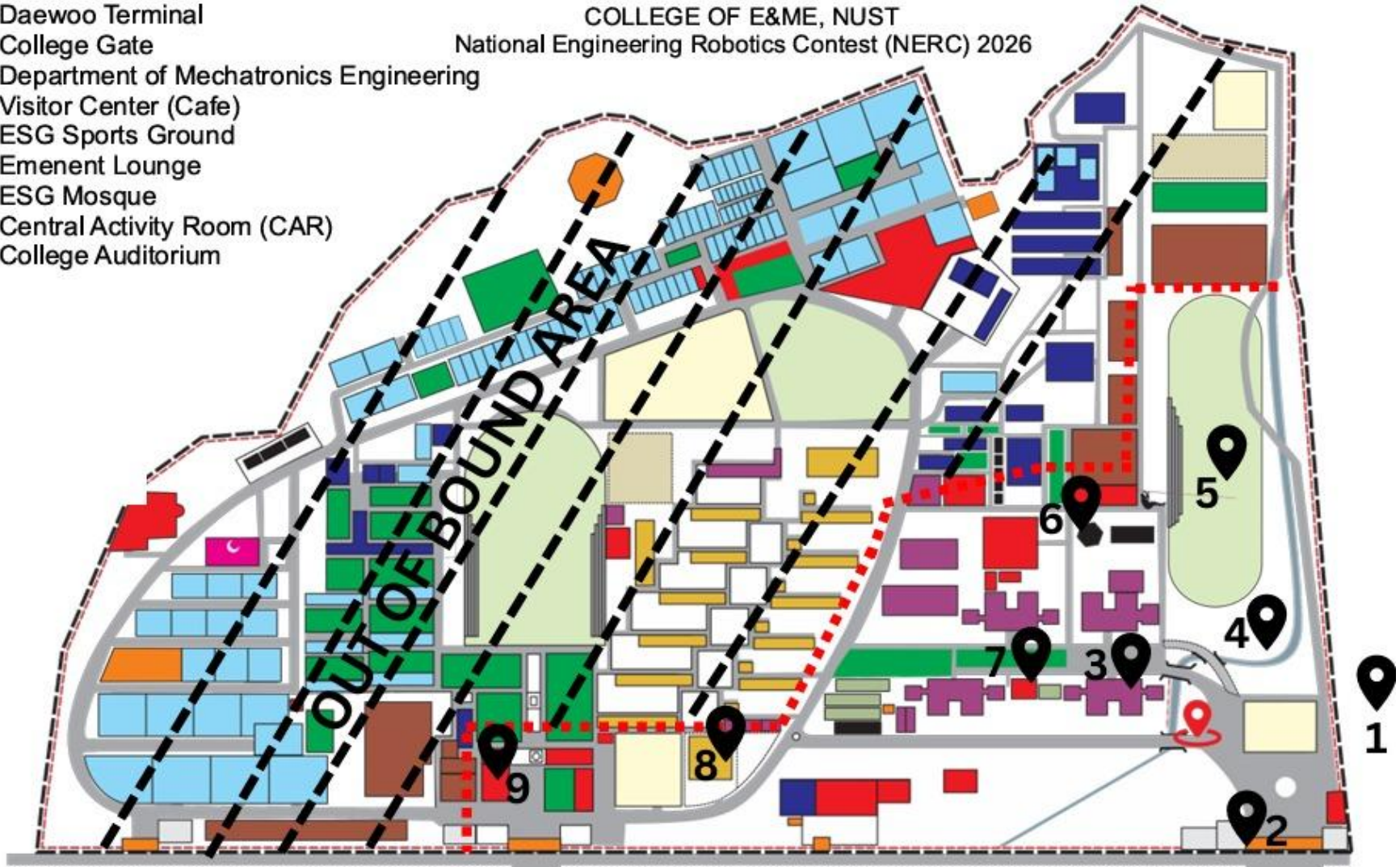
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EME College Guide Map

1. Daewoo Terminal
2. College Gate
3. Department of Mechatronics Engineering
4. Visitor Center (Cafe)
5. ESG Sports Ground
6. Eminent Lounge
7. ESG Mosque
8. Central Activity Room (CAR)
9. College Auditorium

COLLEGE OF E&ME, NUST
National Engineering Robotics Contest (NERC) 2026



Foreword

The National Engineering Robotics Contest 2026 is just around the corner. We hope that each participating team is in the final phase of work on their robots.

This **Participation Guide** is distributed among all teams for information and directions. It contains detailed information about the event. We request that you read it very carefully.

It is hoped that all participating teams will be able to use all the skills they have developed sufficiently. We are eagerly waiting for an exciting and spectacular contest.

All teams must maintain a professional attitude and adhere to the college's rules and regulations. Please read the theme documents and FAQs carefully.

General Information

Contest Outline

- a. Title National Engineering Robotics Contest 2026
- b. Organizer Department of Mechatronics Engineering,
College of Electrical and Mechanical Engineering,
National University of Sciences and Technology,
Peshawar Road, Rawalpindi.
- c. Sponsors National University of Sciences and Technology (NUST)
College of Electrical & Mechanical Engineering (E&ME)
STEM Careers Programme (HEC)
Head Start School
National Centre of Robotics & Automation (NCRA)
Society of Mechatronics Engineers (SOME)
Pakistan Science Foundation (PSF)
Rapidev
- d. Contest Dates 11th – 13th June 2026 (Thursday, Friday, Saturday)

Phone: 051-5444 4450

E-mail: nerc@ceme.nust.edu.pk

Website: www.dmtsnust.com/nerc

NERC - 2026 (11-13 June 2026)

3X Days detailed program

**11th June 2026
(Thursday, Day 1 of The Event)**

Time	Activity	Comments
0800 - 1200 hrs	Reception for participating teams at College Gate	College Gate & Department of Mechatronics Engineering (DMTs)
0800 - 1200 hrs	Robots Inspection (Modular, Indigenous & RTR)	Classrooms of the DMTs: MTS 02
0800 - 1300 hrs	Practice for Indigenous, RTR and Modular Categories	Central Activity Room (CAR) and Auditorium
1300 - 1400 hrs	Lunch and prayer Break	--
1400 - 1800 hrs	Draws and Conduction of Heats for Indigenous, RTR, Modular	Auditorium and Central Activity Room (CAR)
1800 - 1930 hrs	Practice for Indigenous and Modular Categories	Central Activity Room (CAR) and Auditorium
2000 - 2100 hrs	Dinner Break	--
2100 hrs	End of Day-1	

12th June 2026
(Friday, Day-2 of The Event)

Time	Activity	Comments
0800 - 1200 hrs	Reception for participating teams at College Gate	College Gate & Department of Mechatronics Engineering (DMTs)
0800 - 0900 hrs	Robot Inspection (Somowars)	DMTs Classroom: MTS 01
0800 - 1300 hrs	Continuation of the Heats of Indigenous and Modular Category in Auditorium and Central Activity Room (CAR)	Central Activity Room (CAR) and Auditorium
0900 - 1230 hrs	Sumowars Competition	DMTs Classroom: MTS 01
0930 - 1200 hrs	Robots Inspection (Aero)	Classrooms of the DMTs: MTS 03
1030 - 1100 hrs	Tea Break	--
1200 - 1300 hrs	Robot Inspection (Robowars & Light weight)	In front of the Visitor Centre/ ESG Sports Ground
1230 - 1315 hrs	Lunch	--
1315 - 1400 hrs	Jumma Prayers Break	ESG Mosque 1320 hrs
1400 - 1830 hrs	Head-to-Head matches for Indigenous and Modular Category in Auditorium and Central Activity Room (CAR)	Central Activity Room & Auditorium
1400 - 1800 hrs	Aero Competition	In front of the Visitor Centre/ ESG Sports Ground
1430 - 1700 hrs	Robowars/Lightweight Competition	In front of the Visitor Centre/ ESG Sports Ground
1830 - 2000 hrs	Robo Drama/ Closing Ceremony Rehearsal, participant arena practice time	Auditorium
2000 – 2100 hrs	Dinner Break	--
2100 hrs	End of Day-2	

13th June 2026
(Saturday, Final Day of the Event)

Time	Activity	Comments
0800 - 1200 hrs	Reception for participating teams at College Gate	College Gate & Department of Mechatronics Engineering
0800 - 1300 hrs	Head-to-Head Matches	Auditorium
0800 - 1300 hrs	Practice Session	Central Activity Room (CAR)
1030 – 1100 hrs	Tea Break	--
1300 - 1400 hrs	Lunch Break	--
1400 -1500 hrs	Reception of the invited Guests	College Gate & Auditorium
1500 -1700 hrs	Final Matches of the Indigenous and Modular categories, along with the Closing Ceremony in the Auditorium	Auditorium
1700 -1800 hrs	Light Refreshment	--
1800 hrs	End of the Event	

**Program For Closing Ceremony -
Final Day (13th June 2026)**

S/No	Event	Time	Venue
1.	Entrance Open for Guests	1400 hrs	College Auditorium
2.	Guests to be seated	1425 hrs	
3.	Formal Opening	1430 hrs	
4.	Talk by Sponsor 1	1440 hrs	
5.	Talk by Sponsor 2	1450 hrs	
6.	Arrival of Chief Guest	1500 hrs	
7.	Robotics Show/Video	1505 hrs	
8.	Welcome address by Comdt	1515 hrs	
9.	Introductory video of NERC will be shown	1525 hrs	
10.	Theme video of the contest	1535 hrs	
11.	Final of NERC – 2026	1545 hrs	
12.	Departmental Projects Videos/promotional videos/sponsor Videos	1620 hrs	
13.	Concluding remarks by the Chief Guest	1630 hrs	
14.	Prize distribution (Announcement by HoD)	1640 hrs	
15.	End of the Closing ceremony	1700 hrs	
16.	Tea Break/Light Refreshment for Guests and Participants	1700 hrs	
17.	Departure of Chief Guest	1730 hrs	
18.	End of the Event	1800 hrs	

Note for all participants.

- a. It is compulsory for all the participants and accompanying faculty members/ guests to bring their **ORIGINAL CNIC** before coming to E&ME College.
- b. **For Indigenous, Ready to Race and Modular Category:** Minimum one member per team, along with the robot, **MUST** reach the Registration Desk, EME College, before 1200 hrs on 11th June 2026. Any team reaching after 1200 hrs (without any legitimate reason) would not be included in the contest. Any team that misses the heats/qualifying rounds slot shall not be included in the contest.
- c. **For Aero, Robowars, Sumowars, and Lightweight Robowars:** A minimum of one member per team, along with the robot, **MUST** reach the Registration Desk, EME College, before 1200 hrs on 12th June 2026. Any team reaching after 1200 hrs (without any legitimate reason) would not be included in the contest.

Participating Teams & Conducting Students

This year, no in-campus accommodation will be provided for the NERC event.

More than 300 teams are participating in the contest. Conducting students from NUST are marked with their institute teams. These conducting students will be responsible for bringing teams to the venue on time and coordinating team activities (including measuring and inspection by judges). All teams are requested to please follow the directions of their respective conducting students. The teams are further requested to reach the contest administration through the Conducting Students.

A WhatsApp group will be created to streamline communication and the spread of information during the contest dates.

Practice Day

The arena will be opened for participating teams for practice as per the program. Any team that attempts to damage the contest arena or misbehaves toward the organizers/staff will be disqualified.

Robot measurement and weighing / Robot Inspection

- The Robot measurement, weighing, and inspection will be conducted on 11th June 2026 for Indigenous, Ready to Race, and Modular Categories.
- Whereas for the Aero, Robowars, Sumowars, and Lightweight Robowars categories, it will be conducted on 12th June 2026.
- The time for measurement/ inspection is mentioned in the detailed program.
- All teams must get their robots measured/ inspected on their designated time slot.
- The teams not getting their robots measured and inspected on their designated day and time will NOT be allowed to participate.

Draws & Matches Overview

- Initially, draws will be conducted to allocate time for each team of all categories.
- At least one member from each team must participate in the draw.
- Based on the draws, teams will be called in sequence for qualifying rounds (heats).
- Each robot will participate in the qualifying rounds (heats).
- There will be no head-to-head matches in heats. Each team will individually run its robot on one side of the arena.
- Teams will be selected for the final round based on task completion and time taken to complete the task (refer to the theme document).
- After qualifying rounds, the head-to-head matches will be held (refer to theme document).
- A seeding chart will be used in head-to-head matches (refer to theme document).
- All teams must be present at the time announced for their robot run; any team missing their respective slot will not be allowed to continue in the next round.

For details, please refer to the theme document of the respective category and FAQs.

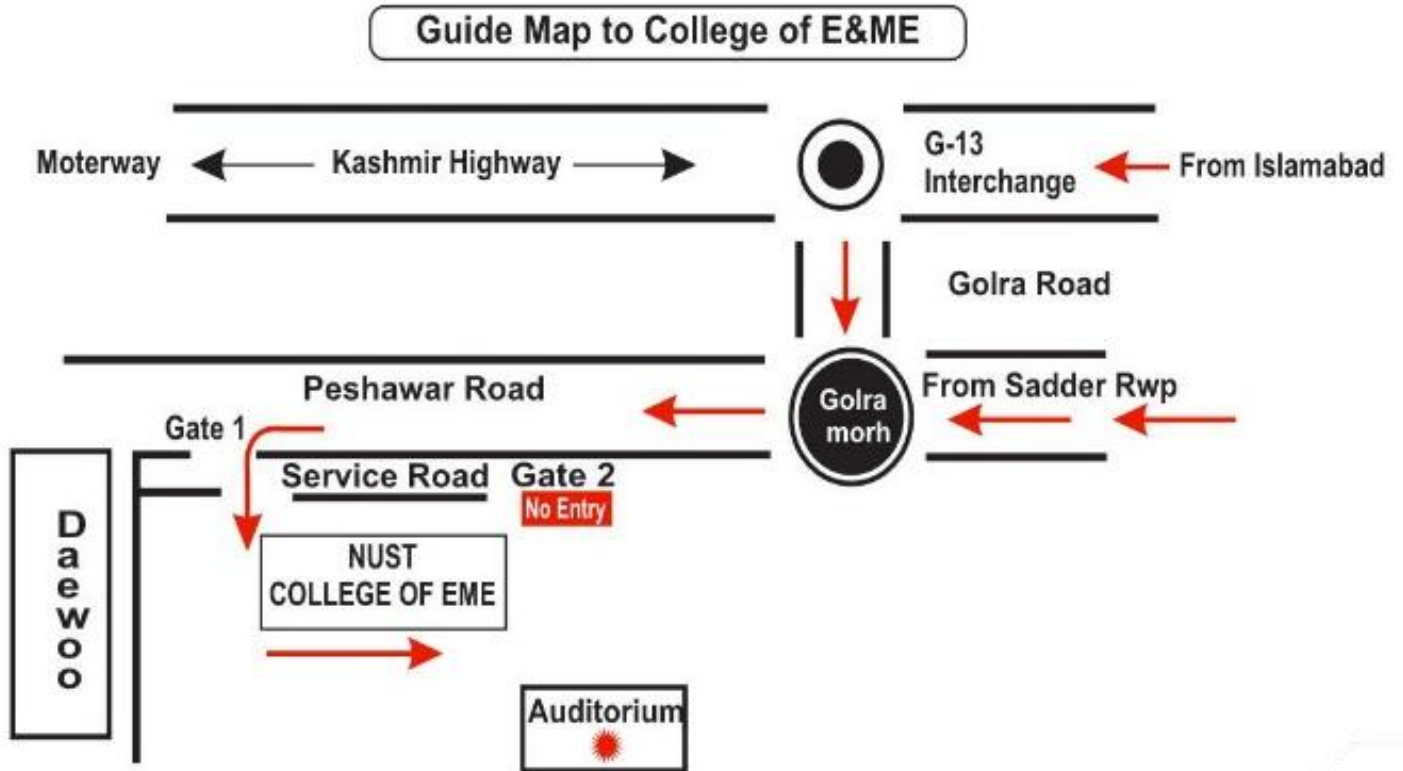
During the Contest

- a. All participants must be appropriately dressed in accordance with the event's decorum. Wearing inappropriate attire, such as shorts, etc, is not permitted.
- b. No individual is allowed to enter the arena with shoes.
- c. The contest will be held according to the order decided in the draws. Please follow the instructions for conducting student/contest administration and proceed to the start point when instructed.
- d. A maximum of two team members may use the arena for practice/run in accordance with the theme.
- e. The match conducting staff will announce the name of the team and give up to one minute to prepare/align the robot at the start point.
- f. Carefully read the instructions mentioned in the theme document.
- g. **Retry:** Kindly read the theme document.
- h. **Penalties:** Kindly read the theme document.

Contest Administration

Overall, in charge of NERC	
Dr. Hamid Jabbar (Head of the Department of Mechatronics Engineering)	051 5444 4450
In charge of Measurement/ Inspection	
Dr. Muhammad Osama Ali/Dr. Anjum Naeem Malik	03021010010
In charge of Practice sessions	
Dr Amir Hamza	03343330358
In charge of conducting students	
Engr Shahzad Alam	03044337744
NERC Coordinator	
Engr Aleeya Rizwan	03359810645
Registration / Reception Desk	
Engr Hamza Sohail	03405734033 03060040065
Coordinator for the outstation team	
Mr Qasim	03455183770

Directions



Contact Us

Department of Mechatronics Engineering

College of E&ME, Peshawar Road, Rawalpindi

Phone: 051-54444450

E-mail: nerc@ceme.nust.edu.pk

Website: www.dmtsnust.com/nerc

Safety and security instructions

General Instructions

The following guidelines are to be strictly followed within the campus during NERC 2026, and all participants must fully cooperate with the security staff and their instructions.

- 1 As shown on the college map, participants are not allowed to visit unauthorized locations on campus. Campus hostels are also out of bounds for all participants.
- 2 **All participating teams must exit the campus by the End of the Day as given in the program. Failure to comply will result in the team being denied entry to the campus the next day.**
- 3 No drones are allowed to be used within the vicinity of the campus, except for NERC Aero competition as per the direction of the Judges.
- 4 No electrical appliances (soldering iron, extension leads, laptop chargers, etc.) should be allowed on stage inside the Auditorium and central activity room. However, laptops and program installers should be allowed on stage.
- 5 No flammable materials will be allowed near the Auditorium and central activity room.
- 6 Food and beverages will not be permitted inside the Auditorium and central activity room.
- 7 Participants will be allowed to go on the stage to use the arena according to their turn planned by the duty staff.
- 8 In case of any eventuality (breaking of fire, etc.), the exit drills will be carried out as per procedures written in the College of EME fire orders.
- 9 Control rooms shall be strictly prohibited for all students and teams. Only the Auditorium and central activity room personnel, stage, and security officials shall be allowed to have access to the control room.