

CALL
"BEYOND FRONTIERS CHALLENGE"
UNDERGRADUATE AND GRADUATE LEVEL

The Instituto Politécnico Nacional based on the provisions of Articles 14 and 36 of the Internal Regulations; Article 4 Section XVII of the Organic Law; Article 43 Section III, VI, VIII of the Organic Regulation; Articles 3, 61 and 62 of the General Regulations for Studies; as well as by Article 1 Fraction IV and XIV and Article 3 of the Social Integration Regulation, all of the Instituto Politécnico Nacional (IPN), through the Directorate of International Relations (DRI) and the Embassy of Mexico in Jordan,

CALL

To the students of the Instituto Politécnico Nacional (IPN) and Jordan University of Science and Technology (JUST) of undergraduate and graduate level to participate in the CALL "BEYOND FRONTIERS CHALLENGE" presenting proposals, for the elaboration of a robot that promotes the culture of Mexico in Jordan and the culture of Jordan in Mexico, together with students from Jordanian universities,

OBJECTIVE

Promote a greater rapprochement and understanding between the Mexican and Jordanian peoples, through the dissemination of both cultures, in strategic tourist places in each country,

STAGES

First: To form interdisciplinary working groups, with a maximum of 10 members, under the following consideration 50% of the IPN and 50% of Jordanian universities, through the virtual spaces that are defined for this purpose, only the proposals of the working groups that include each of the following areas:

- 1) Hardware development;
- 2) Software development;
- 3) Tourism;
- 4) Economy;
- 5) International trade;

Duration: 4 weeks

*The Technical Committee for Academic Mobility maintains for the moment without modification in its name and is the body that presides over the Beyond Frontiers Challenge.



Second: Each working group must develop:

- 1) List of members (DRI list format) name, ballot number, semester, academic unit, career, email;
- 2) Work plan;
- 3) Critical path;
- 4) Calendar of activities;
- 5) Cost-benefit analysis;
- 6) Cultural contents of both countries to present;
- 7) Budget of the resource required to manufacture the robot;
- 8) Technical characteristics of the robot;
- 9) Hardware maintenance program;
- 10) Cultural content update program;

Duration: 4 weeks

Third: Participation:

- 1) Receipt of proposals at the DRI - IPN dri_gestion@ipn.mx, with all the documents mentioned in the second stage;
- 2) The contest must have a minimum of 3 teams for it to be carried out;
- 3) The teams must be integrated as specified in the First stage of this Call;
- 4) All team members must be registered students, in a regular situation at the IPN and at the participating Jordanian university (s);
- 5) Changes of members will not be allowed;
- 6) Participation in two teams in this contest will not be allowed;
- 7) A team representative must be appointed, who must present the robot prototype when the time comes.

Duration: 12 weeks to discuss with experts

Fourth: Evaluation and Notification of results:

- 1) A Selection Committee will be formed, an organism that will be in charge of evaluating the received proposals;
- 2) Evaluation of each of the proposals received;
- 3) Notification to each selected team, of date and time, for the robot prototype presentation sessions;
- 4) Evaluation of the presentations;
- 5) Notification of results;
- 6) Notification of dates for the start and development of the manufacture of the selected robot.

Duration: 4 weeks

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BASIS

I. REQUIREMENTS

The participation of each applicant in the work teams will be the responsibility of each student and must meet the following requirements:

IPN & JUST

1. Being a student of the IPN or JUST of higher or postgraduate level, in a regular school situation, at the beginning and at the end of the current school period throughout the development of this Call;
2. Being a student, enrolled in an academic program of a schooled modality;
3. To have the command of the English language, in order to be able to communicate with the other members of the team.

II. REQUIRED DOCUMENTATION

On the part of the work teams:

1. List of participants in the format: <https://forms.gle/MDhinrnX5eKfM5xc6>
2. The other documents indicated in the Second Stage of this Call.

III. RESPONSIBILITIES OF EACH PERSON STUDENT MEMBER OF THE WORK TEAMS

1. In case of being selected, carry out the activities committed for the development of the robot;
2. Present the corresponding reports as established by the Embassy of Mexico in Jordan, the Jordanian university (s) and the DRI;
3. Maintain ethical and moral conduct at all times;
4. In the event that the student wishes to cancel their participation in the work team, they must agree with the representative of their team, who must notify DRI-IPN and JUST immediately, by email gestion_dri@ipn.mx and (JUST);
5. Have the technological and computer requirements to participate in the activities planned by each work team.

IV. RESPONSIBILITIES OF THE IPN & JUST

1. Provide the virtual platform for the formation of work teams;
2. Form the Selection Committee, which will operate only in terms of this Call;
3. Assign a professor for each work team in order to coordinate, advise and guide the projects selected by the Selection Committee;
4. Manage the work sessions, through which the work teams will present the projects to the Selection Committee;

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V. GENERAL CONDITIONS

1. For this Call to be carried out, there must be at least 3 work teams, formed as specified in the First Stage of this document;
2. Registering as a candidate does not imply being approved to participate in this Call, you must meet the previously described requirements, as well as being part of a work team;
3. In case of presenting false information or altered documentation, the participation of the entire work team will be automatically canceled;
4. Incomplete applications will be inadmissible to participate in this Call;
5. All issues related to the development of the robot must be dealt with by the work team with its advisor assigned by the Selection Committee. The DRI has no say in this matter;
6. The representative of each work team must maintain constant communication with the advisor assigned by the Selection Committee;
7. In case of presenting conflicts or lack of communication with the designated advisor or with the representative of the work team, the DRI must be informed immediately via email gestion_dri@ipn.mx, in order to present the case to the Committee. Selection, who will provide a solution;
8. In special cases in which there is an interest in adding participants to the work teams, the team representative must inform the DRI, via email with the prior approval of his advisor and the Selection Committee will determine its viability;
9. The DRI is the management area of this Call and its functions are to serve as a link between work teams, the Selection Committee and the Embassy of Mexico in Jordan;
10. In the event of a strike, work stoppage, catastrophes and / or natural disasters, political conflicts, epidemics, infections, pandemics, health contingency and other situations not contained in this document, that affect the development of this Call, the Technical Committee of Academic Mobility will determine its continuity;
11. Under no circumstance will applications be received outside of the date set in the operating calendar;
12. All development that is generated derived from this Call will be property of the IPN, safeguarding its moral property;
13. Sponsors will be sought for the construction of the selected robot;
14. The robot project includes two (2) versions, the Mexican and the Jordanian, for which each educational institution will establish its rules and operating rules and will be subject to its legislation.
15. The closing of the activities of this Call, will be carried out, if the sanitary conditions allow it, in Jordan and in Mexico respectively, with the support of the participating educational institutions and the Embassy of Mexico in Jordan.

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VI. OPERATING CALENDAR

Applications for participation must be sent electronically to the following address gestion_dri@ipn.mx, according to the following dates:

Publication of the call: December 3, 2021.

First stage: from December 10, 2021 to January 21, 2022.

Second stage: from January 24 to February 18, 2022.

Third stage: from February 21 to May 13, 2022.

Fourth stage: from May 16 to June 10, 2022.

Publication of results: as of June 13, 2022.

VII. START UP

Once the selected robot has been built, it will be the Embassy of Mexico in Jordan, the Agency that decides the tourist place where it will be located and the Agencia Mexicana de Cooperación Internacional para el Desarrollo

VIII. TRANSIENT

Any matter not foreseen by this call will be resolved by the Technical Committee for Academic Mobility.

Convocatoria modifies its calendar, so that the first stage will be open until February 28.

Mexico City, August 17th, 2021.

"La Técnica al Servicio de la Patria"

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