Join across HACKATHON

AI-BASED TOOLS FOR METRICS IN EDUCATION, STEM AND SOCIAL SCIENCES

Event details

Location: INCESA, Craiova, Romania, room 315 and on-line
Date: June 4, 2025
Duration: 9:00 – 20:00 EET (8:00 – 19:00 CET)
Registration period: May 16 – 25, 2025
Registration link: https://forms.gle/avwSJ8oeSo1jov1H8

Sponsored by NETROM SOFTWARE

The format: hybrid

On-site at each University location and on-line connection between universities.

Venue: INCESA for the headquarters and for the UCV teams

Video conferencing (CISCO Webex, Google platform, Zoom, Microsoft teams), wi-fi, laptops / computers.

Who can participate?

Master's and PhD students (R1) and postdoctoral researchers (R2), all from ACROSS universities.

The teams

Maximum 15 teams: To determine the final number of participating teams, a selection will be made to ensure that each university registering teams has at least one team in the competition, after that the principle of "first come, first served" will apply.

Each team of a maximum of 5 people: a minimum of 3 students per team, and one leader.

Maximum 5 teams per ACROSS partner institution.

A team can only include members from a single ACROSS partner institution.

Prizes

1st prize: One-week internship / research visit for the winning team at the University of Girona, Spain + 100 Euro Amazon voucher for each team member
If the winner is from the University of Girona (Spain), then the University of Craiova (Romania) will host the winning team.

2nd prize: 100 Euro Amazon voucher for each team member

3rd prize: 50 Euro Amazon voucher for each team member

20 Euro Amazon voucher for the rest of the participants

Technical description

Thank you for joining us in building **Recommender Systems** that redefine how we conduct research in STEM, Education, and Social Sciences!

In this hackathon, you will leverage the power of AI and **Recommender Systems** to develop smart, efficient and user-friendly tools for identify and classify relevant academic papers. Whether it is through content-based filtering, collaborative filtering, or other approaches, your solution should enable seamless exploration of relevant research.

The dataset (in various formats) will be provided in the first hour of the hackathon. No GPU credits will be provided during the event. Participants must comply with the free tier of Google Colab.

The communication during the event will be handled via Slack (invites will be sent one day before the event start).

Technology Stack:
- **Programming Language:** Python
- **AI frameworks:** Tensorflow / Keras or PyTorch
- **Libraries:** Scikit-Learn, Pandas, NumPy
- **Tools:** Jupyter Notebook, Google Colab
- **No restriction regarding the libraries used for UI.**

Deliverables:
- Code submission: Public GitHub repository with a clear README on how to run the project.
- Presentation of the solution proposed.
- Live demo

Assessment Criteria:
- Relevance and Accuracy (How well the recommender matches user interests): 0 - 5 points
- Technical Implementation (Efficient use of data and model choice): 0 – 5 points
- User Interface & Experience: 0 – 5 points
- Presentation Clarity: 0 – 5 points
- Bonus points (up to 5 points!) for innovative solutions