

2023-24

CODEAVOUR 5.0

INTERNATIONAL

Instructional Guide For Competition



Motwani
Jadeja
Foundation





Who we are?

We want to engage you in our journey towards transforming schools and companies in Egypt into the technological future. We, as a leading company, take pride in being the first in Egypt to equip artificial intelligence labs and provide STEM Education products for schools and companies in the educational technology field. What sets us apart is our commitment to product quality and advanced technology. We work diligently to meet the needs of your schools and companies and help you maximize the benefits of technological transformation. Our products offer an enjoyable and interactive educational experience that contributes to the development of students' and employees' skills while fostering creativity and innovation. We look forward to collaborating with you to achieve your educational and technological goals and contribute to your success.

Contact us

-  Codeavour Middle East
-  codeavour_middleeast
-  Codeavour Middle East
-  Codeavour Middle East
-  codeavourMiddleEast
-  info@codeavour-middleeast.org



Imagine a future where young minds harness the power of AI, Coding and Robotics to tackle real-world challenges and bring meaningful change in their communities!



Spotlighting Innovation From 3500+ Projects in 2022



Smart Recycling Bin
Egypt



Sakhi-Humanoid Robot
India



Digital Spirometer
Barzile



Smart Fridge
Jordan



We Aim to Empower the Next-Gen in:

- **Building an interest** in STEM fields through gamification
- **Upgrading their 21st century skills** - Critical Thinking, Creativity, Collaboration and Communication.
- **Nurturing** youth with a global mindset in innovation and entrepreneurship.
- **Empathizing** with the world around us through diversity and inclusion.
- **Encouraging** participation of women in STEM.





Global Events in 8 Countries to Felicitate Innovators



4th Edition
CODEAVOUR 2022
INTERNATIONAL

2023-24

CODEAVOUR 5.0

INTERNATIONAL

Igniting Global Innovation

Exploring New Horizons



Global Physical Events

This year, we plan to make Codeavour 5.0 a globally acclaimed event ranging from Regionals across India, Nationals across the Globe and the final showdown in Dubai.



New Challenges

Introduction of 2 tracks this year: Innovation and Entrepreneurship track as well as an AI Robo City Challenge for participants to brainstorm, learn and innovate.



Workshops for Latest Technologies

We will be organizing bootcamps and workshops where students can learn about latest technologies like AI, AR/VR, Machine Learning, Robotics, etc



Fellowships and Mentorships

Together with exciting prizes, participants will have the opportunity to earn fellowships and mentorships from notable organizations and universities.

Make your Mark: Benefits of Participation

Participate

- Participate and compete at the International level Competition
- Work on Creative and Innovative Ideas

Learn

- Access self-learning Coding, AI, Robotics, and AR-VR Learning Resources
- Take advantage of Bootcamps and Webinars conducted by experts to gain knowledge and clear your doubts

Win

- Take advantage of Fellowships and Mentorships
- Receive your Certification of Participation
- Chance to win exciting prizes



Track 1 - Innovation and Entrepreneurship

Where Young Innovators become Future Entrepreneurs

Embark on a transformative journey where innovation meets entrepreneurship in Codeavour 5.0. Harnessing the power of cutting-edge technologies to ideate, create, and bring student's entrepreneurial vision to life.

Themes aligned with UN SDGs

Save the Environment

They develop their own educational games or interactive learning platforms to teach children and adults about environmental conservation and sustainability and the importance of protecting natural resources. Such as the Carbon Footprint Calculator project, a tool that allows users to calculate their carbon footprint and provides suggestions on how to reduce it. This can be in the form of a website, mobile app or chatbot.



Strengthen the Health of the structure.

This topic focuses on Internet service activating as well as accessibility to health systems. You may develop novel methodologies to enhance the development of the wireless Internet data, health protection information systems, technological and scientific diversity, and effective disaster preparedness and response.



Revolutionize the Agriculture

Create a system of recognizing agricultural pests and diseases using images or machine learning by students who are attending the competition. Gardeners may protect their crops more successfully if they determine pests earlier.



Educate the world

Children can use coding and technology to make education more accessible, engaging, and inclusive for people worldwide. Their projects can help bridge educational gaps, promote lifelong learning, and empower individuals to acquire new skills and knowledge.



Automate the Surroundings

Automation in Solutions: Changing on de-automation and smart technology robots to improve and optimize our multiple components. Consider how automated control may be used in a variety of situations, including homes, cities, transportation, and businesses. Investigate various aspects of automatic control in various concepts, such as intelligence and smart living areas, intelligent towns and smart architecture, automatic company for industry, artificial intelligence solutions, networked vehicles and infrastructure, electric vehicles and autonomous vehicles, success, progress, and environmental sustainability.



Track2 - AI Robo City Challenge

Unleashing Power of AI and Robotics for a Sustainable Future

Engage in a thrilling competition where robots powered by artificial intelligence navigate the cityscape, tackling real-world challenges and revolutionizing urban life. Showcase your expertise in robotics, artificial intelligence, machine learning, and intelligent systems as you shape the future of smart cities and redefine the possibilities of urban living.

Theme

Solving real-world problems aligned with UN SDGs



Team Registration Rules

- ▶ **Team:** Consists of 1 to 3 students.
- ▶ **The Age groups for participating in codeavour 5th Edition 2023-24 are:**
Elementary: 7 – 10 yrs old
Junior: 11 – 14 yrs old
Senior: 15 – 18 yrs old
- ▶ **Registration:** Starts on 15 October 2023
- ▶ **Final Competition Date:** February 2024.



General Rules for Evaluating Participating Teams

- ▶ **Evaluation Criteria:** The projects of participating teams are evaluated based on criteria that rely on the quality of the projects. These criteria will be sent to the participating companies and schools by October 1, 2023.
- ▶ **Evaluation Committee:** The evaluation is conducted by a committee comprising faculty members from engineering colleges who are not affiliated with any of the participating companies or schools.
- ▶ **On-Site Evaluation:** Evaluation takes place with the presence of the team and their supervisor at the competition venue in Mubarak Educational City on the specified day.
- ▶ **Online Evaluation:** Online evaluation is conducted for participating teams located outside Egypt during the competition period using the Live system.
- ▶ **Evaluation Results:** Each company or school will receive detailed evaluation results for the participating teams on the same day as the competition..



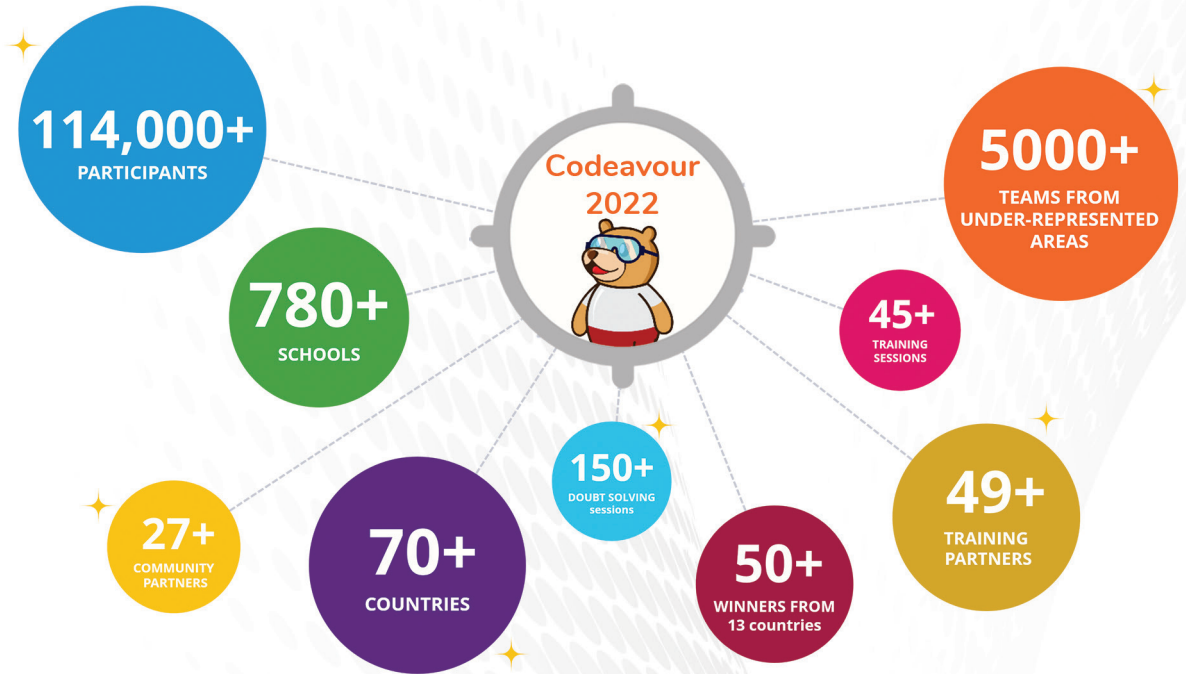
**Gifts will be distributed
to all participants, and very valuable
prizes will be awarded to the
top 15 winners**



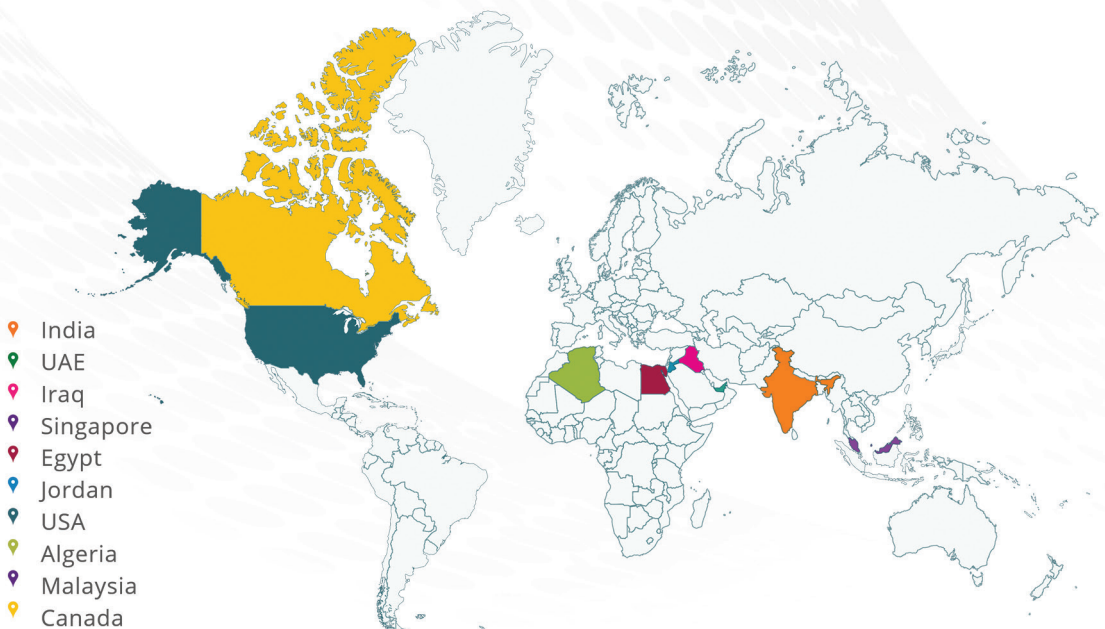
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Numbers say it all!



National Championship across the Globe



International Showdown

Dubai, the vibrant city known for its futuristic vision, is set to host the most anticipated **event of the year** for students: Codeavour, the International AI, Coding, and Robotics Competition.

Bringing together the brightest minds from across the globe, this grand competition aims to showcase the **latest advancements in artificial intelligence, coding, and robotics**. With participants representing various nations, the event promises a thrilling display of innovation, creativity, and technical expertise.



Stages of Participation



1 REGISTER

By filling the team details and selecting appropriate age group

2 LEARN

To enhance your coding & AI skills via self-learning material, workshops and bootcamps



3 COMPETE

With other teams at the regional, national and International levels to emerge as a winner



Event's Timeline

Stage 1

Registration

Start in October 15, 2023.

The registration of participating teams, companies, and schools

Stage 2

After the registration stage, the qualification of the participating teams in the competition.

Stage 3

(Internationals ceremony)
mid Apr 2024

Top Performers from Nationals will move to Internationals in Dubai.

Regionals and Nationals will be organized only in selected countries where Codeavour has exclusive partners. Others will compete in online mode for Track 1 and selected ones will be invited for Internationals directly.

Awards and Recognitions that Set the Bar High

A Total of **100** prizes worth **25000\$**



Laptop



Smart Watch



Tablet



**Fitness
Band**



**STEM
Kits**



**AI and
Robotics Kit**



**Cash Prizes
and Coupons**



Fellowships



Medals



Trophies



2023-24

CODEAVOUR 5.0 INTERNATIONAL

Impact Projections



500,000+
STUDENTS



3,000+
SCHOOLS



200,000+
TEAMS



90+
COUNTRIES

2023-24

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