



الأكاديمية العربية للعلوم والتكنولوجيا والنقل البحري
Arab Academy for Science, Technology & Maritime Transport

Regional Informatics Center (RIC) Achievement report and evaluation of activities 2021-2020

First: Achievements of school programming programmers

Beaver Contest:

- Training of 4,646 online students in 24 cities.
- Qualifications were made in June 2021 to select 500 students to participate in the training program funded by the Ministry of Communications.

<http://beaver.aast.edu/>

Olympiad in Informatics Competition:

- Training of 500 students for 45 hours during July, August and September 2021.
- Qualifications were held in September to select the top 120 programmers to participate in the Egyptian Olympiad in Informatics **EOI**.
- The Egyptian Olympiad in Informatics **EOI** was held from September 26 to October 1, 2021 at al-Alamein Branch.
- 30 programmers qualified to the training camp for qualifications of Asia Pacific to select the top four for the 2022 international Olympiad in informatics.

<https://www.facebook.com/eoi.eg>

http://www.aast.edu/en/centers/ric/contenttemp.php?page_id=41100024

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Second: Achievements of university programming programs

- The AASTMT team won the first place ECPC2020.
- The AASTMT team won first place in ACPC2020 and qualified for the ICPC to be held in Bangladesh in 2022.
- Training of 350 African and Arab girls in programming and organizing the GirlsACPC girls' programming competition for the second year in a row with the participation of more than 1,200 Arab and African students last July representing 35 countries.
- More than 100 programming competitions for colleges students in the Arab region and Africa were supervised in 2020/21 in 27 countries.
- 270 AASTMT students Trained, 90 teams were qualified from the AASTMT competition from different branches and 17 teams qualified in the ACPC.
- The AASTMT qualified from the regional competition held in 2019 in Sharm el-Sheikh participated in the postponed ICPC 2020 held in Moscow, Russian Federation Republic, and the AASTMT won 65th place in the world and third in the regional level. (An analytical report is currently being prepared at the level of the AASTMT teams during the previous years).
- Progress has been made to organize the ICPC 2023.
- The Egyptian ECPC Programming Competition for 2021 was organized from 20-28 August 2021 in Abu Qir branch and the AASTMT team Won the second place and qualified for the ACPC that will be held in Luxor on 3-5 December 2021.

<https://www.facebook.com/EgyptCPC>



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<http://acpc.global/>

http://www.aast.edu/en/centers/ric/contenttemp.php?page_id=41100021

Third: ROV Competition:

- The first UWR Challenge ROV was held in the colleges in Abi Qir branch with the participation of 20 teams from October 28 to 30, 2020.
- During this challenge, the Sea Perch School Competition, the Hackathon Submarine Challenge competition and the ROV Sunken Relic Exploration Competition were held.
- The Egyptian ROV Competition was held in Abi Qir branch from June 2-5, 2021 with the participation of 22 teams from various universities in Egypt.
- Three teams have been qualified from colleges and two teams from schools for the international competition.
- The international competition was held online Telepresence for Egyptian teams in Abi Qir branch.
- The AASTMT was ranked second in the international competition and the Alexandria University team won the third place
- The AASTMT was also awarded the best report and best technical presentation in the international competition.

<https://rovegypt.org/>

<https://www.facebook.com/EgyptROV>

http://www.aast.edu/en/centers/ric/contenttemp.php?page_id=41100028

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Fourth: The center's activities in robotics:

- A training camp for 45 students from the Faculty of Artificial Intelligence was held from July 1-8, 2021 in preparation for the Arab League Secretary-General's visit to al-Alamein branch.
- Participated in identifying robots for artificial intelligence college laboratories and helping to communicate with suppliers under the supervision of the college and procurement management.
- Supervised the design and planning of the needs of the robotics laboratory and visited the branch to determine the right place.
- The training of the team involved in the operation of the robots of the laboratory has been supervised.
- The Egyptian-Russian forum was held at the Alamein branch from October 4-7, 2021.
- Finance agreement signed for graduation projects of engineering students of Egypt between the Academy of Scientific Research and the Academy Company.
- Funding has been submitted for 180 robotics projects and 80 projects have been selected (including 18 graduate projects).

<https://www.rcjegypt.org/>

<https://www.facebook.com/RoboGamesEgypt>

<https://uwrchallenges.org/>

http://www.aast.edu/en/centers/ric/contenttemp.php?page_id=41100030



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