

September 24-25, 2024

7TH NATIONAL HACKATHON®
Industrial Engineering & Management,
Engineering, Data Science and Design



CALL FOR STUDENTS

to participate in the **Seventh National Hackathon®** in Industrial Engineering & Management,
Engineering, Data Science and Design

Digital Solutions to Benefit the Economy, Business and Society

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INTRODUCTION

The Deans' Forum, The National Association of Engineers and Architects of Israel and the Ira Foundation for Business Technology & Society invite you to take part in the Seventh National Hackathon®. The National Hackathon will focus on creative and innovative solutions to promote economic, business, government and community organizations, utilizing methodologies from the fields of Engineering, Data Science and Design. The event will be held at the School of Industrial Engineering & Management at Shenkar College of Engineering, Design and Art, and will engage students from all academic institutions in Israel and overseas that offer relevant degrees in Industrial Engineering and Management, engineering, software and design. During the Hackathon, the students will pursue creative solutions for problems currently being studied in the field and/or problems that have yet to be investigated. They will be required to apply professional knowledge in an innovative and creative way. The proposed solutions will be presented to a panel of experts after 36 consecutive hours of intensive work and "out-of-the-box" development and thinking. The event will also include presentations by senior executives from leading industrial organizations. Past sponsors and participants in the Hackathon include: MSI, eBay, Intel, Clalit Health Organization (HMO), Sha'arei Tzedek Hospital, Institute of Directors of Israel (IDU), and Big-M. We invite you to take part in the Seventh hackathon, working in teams on professional challenges submitted by corporations and organizations.

The link to video of the Sixth National Hackathon: [Press here](#)

WHO IS ELIGIBLE TO PARTICIPATE?

The event is intended for all undergraduate and graduate students – with priority given to female students – enrolled in relevant academic programs, engineering, data science and design, who are interested in technological, commercial and social innovation and in developing digital and other solutions that

contribute to businesses, the economy and the community on an organizational, national or international level. Students will be divided into teams of 3-4 and will tackle professional problems, process data and develop solutions based on engineering, business and design concepts, while working as a team in a competitive environment and under time constraints, guided by senior faculty and executives.

AWARDS

The panel of judges includes a team of experts, leaders of industry and business executives. The criteria for selecting winners include:

- Creativity and innovation
- Technological feasibility
- Economic and commercial feasibility
- Level of development achieved during the Hackathon
- Projected change or technological, economic ESG and community impact

The awards are:

First place team: NIS 15,000 or comparable amount in \$US

Second place team: NIS 10,000 or comparable amount in \$US

Third place team: NIS 5,000 or comparable amount in \$US

The amounts indicated above are for the whole team.

A certificate will be awarded to every participant.

THE PROFESSIONAL CHALLENGES ARE PROVIDED BY PARTICIPATING COMPANIES AND ORGANIZATIONS

Technological companies and other organizations that contend with problems in the field of engineering, software, and design, such as advanced digital services, improving supply chains, analyzing big data, enhancing user experience, improving production lines, robotics and Artificial Intelligence, Industry 4.0, smart cities and innovative cooperative/community business models, Machine learning, Deep Learning, Metaverse and Quantum Computing. The companies selected for the National Hackathon will be

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required to provide the teams with suitable work environments and professional mentors to assist the teams in the various fields. To participate in the Seventh National Hackathon, register at the link: [Press here](#)

You are all welcome to take part, participate and win!

On behalf of The National Hackathon Advisory Board, National Steering Committee and myself, you are all invited to register and take part in the Seventh National Hackathon September 24-25, 2024.

For questions: Ms. Alice Mendel: alice1@shenkar.ac.il



Prof. Ehud Menipaz

Founding Chairman, The National Hackathon

Dean, School of Industrial Engineering & Management, Shenkar

Chairman, Board of Governors, National Association of Engineers and Architects (AEAI)

Chairman, Industrial Engineering & Management, AEAI