



**SAAB RDS**  
TECHNOLOGY ENABLER

**Academic, Research & Innovation  
Survey Report  
EXECUTIVE SUMMARY**

## Overview

Thank you in investing your time in taking our “Academic, Research and Innovation survey“. Your feedback will directly help us to better understand the challenges that you are facing, especially during the tough period of the COVID-19 pandemic.

The temporary closure of educational institutions and dependency on online learning at a time when the institutions are not fully digitally equipped and ready, does not only affect the students’ learning capability but also the professors, deans, chairmen and researchers’ ability to deliver information at their optimum level.

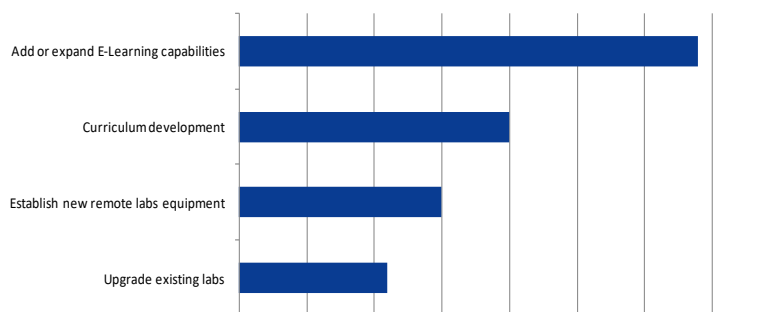
The data that was compiled from this survey, enables us to tailor solutions that best suit your interests and needs during this transitory phase and hence, enhancing the efficiency of your institution and providing you with a better management system.

## Key Takeaways

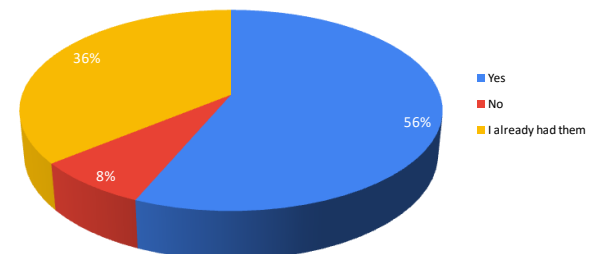
- 53% of the surveyors said that the current situation had only “moderately” impacted their projects and 33% said their future projects were “severely” impacted
- More than half of the surveyors see high importance in adding or expanding e-learning capabilities, and most are already planning on adding online capabilities
- 43% see undergraduates’ skills for Industry 4.0 in their academic programs as a priority to improve
- Most teaching institutions already have a STEM accreditation
- Only 35.9% believe that their programs are adequate enough to provide students with the right skills

## What is most important to your educational institution?

Not all institutions have the same digital capabilities. Different institutions are facing different challenges and lagging behind in different areas. The graph below shows you the different areas that the surveyors think are vital to the development of their educational system. Also, most respondents are looking into adding more online tools into their teaching activities.



Are you and/or your institution introducing or planning on introducing new online tools (such as online classes, webinars, remote labs) as an alternative to the normal activities



## Topics of interest: Highlights

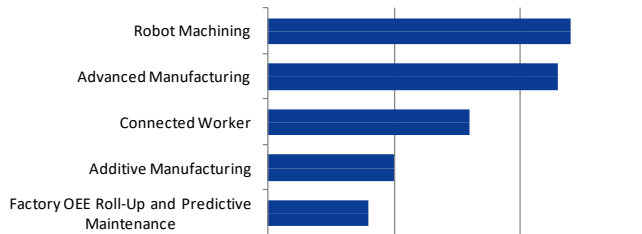
We enquired surveyors about their main areas of interest in the latest technology trends. Providing students with the skills needed to develop Industry 4.0 solutions came up as one key area.

Here are the most voted topics of interest (in the fields of industry 4.0 technologies, mobility, engineering, factory of the future applications and digital manufacturing)

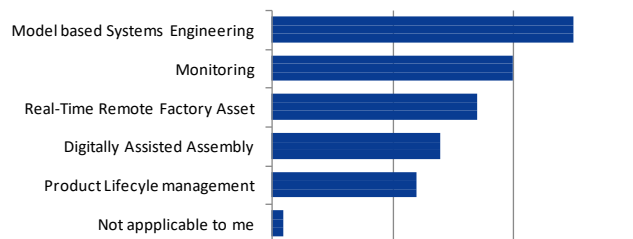
- Industry 4.0: Artificial Intelligence
- Mobility: Robotics, drones and mechatronics
- Factory of the Future: Robot machining
- Specific engineering tools: Electronics engineering, Renewable energy
- Digital manufacturing: Model-based systems engineering

**For more detailed results, check the graphs below:**

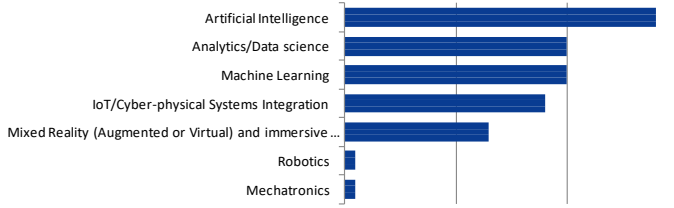
FACTORY OF THE FUTURE APPLICATIONS - In general, what are the topics you are most interested in, in particular for remote labs? (check all that apply)



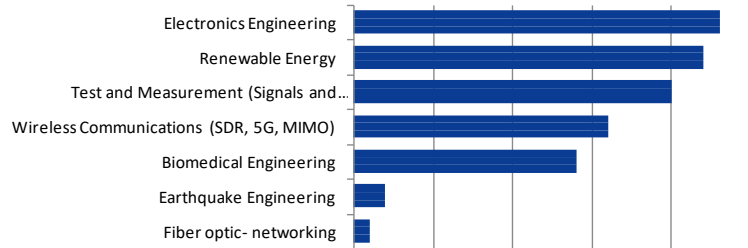
DIGITALMANUFACTURING - In general, what are the topics you are most interested in, in particular for remote labs? (check all that apply)



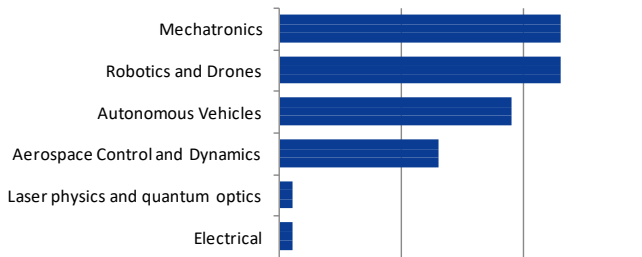
INDUSTRY 4.0 TECHNOLOGIES - In general, what are the topics you are most interested in, in particular for remote labs? (check all that apply)



SPECIFIC ENGINEERING FIELDS - In general, what are the topics you are most interested in, in particular for remote labs? (check all that apply)

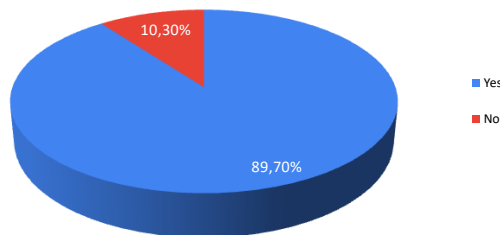


MOBILITY - In general, what are the topics you are most interested in, in particular for remote labs? (check all that apply)



We also asked about interest in being able to develop research projects for companies in industrial sectors, and an overwhelming majority answered positively.

Are you interested in us contacting you for industry projects?



## What is next?

We heard what you need and we are ready to help.

SAAB RDS has specialized over the years in providing the tools and solutions to develop high-end research projects and engineering education solutions. We have worked with institutions such as King Abdullah University of Science and Technology (KAUST), AlFaisal University, Princess Nourahbint Abdulrahman University (PNU), King Abdulaziz City for Science and Technology (KACST), King Fahd University of Petroleum & Minerals (KFUPM), Beirut Arab University (BAU), Lebanese American University (LAU), King Saud University (KSU) and many more to help them make the right technology investments and develop labs and curriculum to drive student engagement and academic prestige.

Educational and research institutions in the Middle East now have to live upto global expectations, and we can help you drive your institution to global excellence.

## Get in touch:

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