

Dear Reader,

Welcome to the third issue of **#SOETEQUITY** fortnightly newsletter!

This newsletter is designed to bring to you a wide range of engineering and technology-related information in the form of informative videos, blogs and webinars.

In this issue, we focus on one of the most advanced and emerging fields of knowledge- '**Robotics**'. With the world swiftly moving towards automation, Robotics has shown great prospects in transforming our lives through a wide range of autonomous devices equipped with cognitive capabilities. In this tough time of the global pandemic, the world has discovered various humanitarian aspects of Robots.

Robotics is a multidisciplinary research area drawing knowledge from computer science, mechanical, electrical and electronics engineering. For your reading pleasure in this issue, we are discussing on Robotics from multiple perspectives.

'Subscribe' this newsletter if you find it valuable and share it with your colleagues, friends and family members. We are keen to know about your reading preferences. So, kindly let us know about it. There is an option for your feedback at the end of the newsletter.

Happy Reading!

-Editorial Team **#SOETEQUITY**



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#AROAICSpeaks

Adamas Robotics and Artificial Intelligence Club (AROAIIC, website: <https://www.aroaic.co.in/>)

was founded on 28th November 2017 and is located on the 1st floor of Electronics and Communication Engineering block.

The club is an initiative towards mentoring our students in the fields of **Robotics** and **Artificial Intelligence** and to train them to work in cutting edge Robotics projects.

The club is efficiently led by the students and follows the full student policy of "**For the student, Of the student and By the student**".





Automatic hand sanitizer machine made by School of Engineering & Technology



ADAMAS
SCHOOL OF ENGINEERING AND
TECHNOLOGY



A perfect example of harnessing innovation at Adamas University during this global pandemic.

Unlock phase has started & slowly everything is opening & returning to normal. But we must not forget about social distancing, proper sanitization and clean hygiene.

Adamas Robotics and Artificial Intelligence Club of School of Engineering & Technology has developed a design of **Automatic Hand Sanitizer Dispensing Machine**. Sanitizing liquid was produced by the **School of Pharmaceutical Technology** for this initiative.

Total 8 dispensers have been developed as an initiative to stop the spread of the deadly virus within the university campus and provide a safe environment for all.

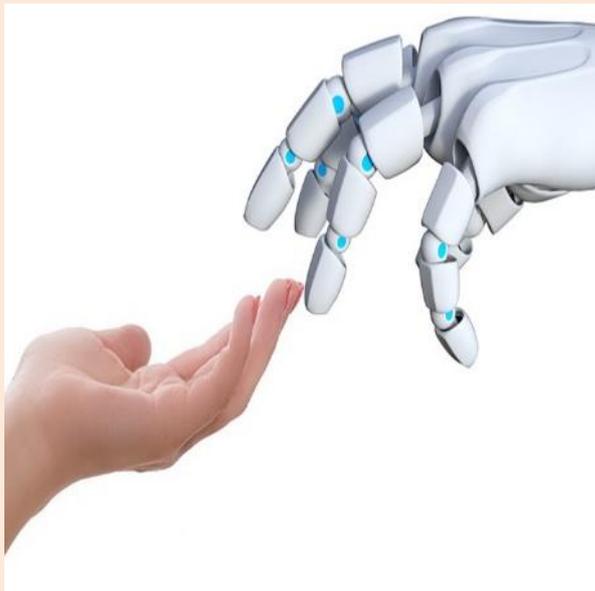
#Student'sRoboticsProject



Gecko: Cylindrical Mobile Robot for Search and Exploration (Approved by Govt. of India)

Search and exploration missions have been of great research interest for a long time. Introducing, Gecko a mobile robot that is specifically designed to take on missions in rough and uneven terrains. The cylindrical structure and special wheel design allow it to go through tight spaces and even operate when the bot topple over...

[Read more](#)



Robotic Technology: A Life Changer

Robotics is a multifaceted combination of engineering and science that majorly associates mechanical engineering, electrical & electronics engineering and computer science engineering. It basically involves robot design, construction, controlling, image processing, sensors & feedback signals, and information processing. After the evolution of computers, robotics takes it to the next level of innovation where programmed intelligence has a major role...

[Read more](#)



Can Robots Save People from Covid-19? Know More About the New Humanitarian Hero

The global outbreak of new pandemics like Covid-19 poses a serious threat to the safety and sustainability of humanity on the earth. The fight to save mankind gets extremely difficult when the disease is highly contagious and spreads like wildfire through person-to-person interactions. Social distancing and sanitation have emerged as two important aspects of combating such disease. However, implementing these preventive measures in densely populated countries like- India and China is a herculean task...

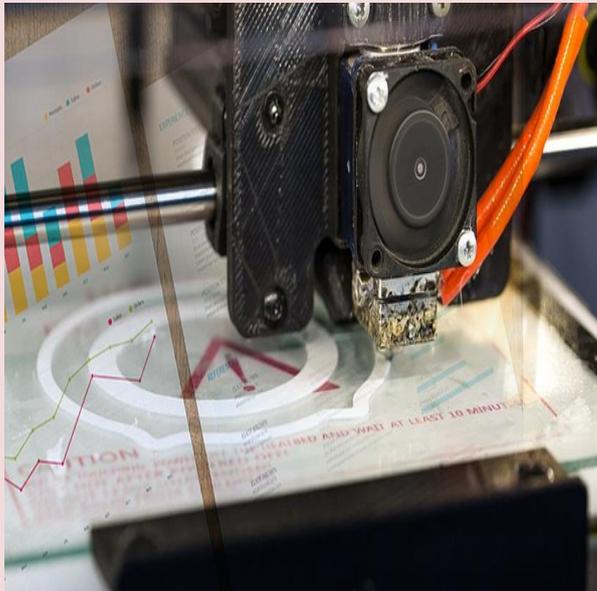
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Robotics and Automation Plays an Important Role in Combating Covid19

Advanced technology plays an important role in helping humans in containing the spread of virus and handling the existing cases during global fight against COVID-19. Robotics is one of the advanced technology which became very popular across the world. Large number of hospitals, nursing homes are presently using various types of Robots to guide doctors, healthcare staffs as well as patients...

[Read more](#)



Will 2025 See the Manufacturing Sector Dwell in Additive Manufacturing Ecosystem?

The genome of Additive manufacturing has strengthened the Society in terms of converting ideas into products, ready to be practically launched within a very short span of time. The Manufacturing sector is reinvigorating in terms of adapting additive manufacturing technologies. Business setups in the near future will emphasize largely on 3D Printing technology to upgrade product design and development...

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#FacultySpeaks

Robotics, an interdisciplinary area of **Science**, **Engineering** and **Technology**.

Susamay Samanta, Assistant Professor, Department of Electronics & Communication Engineering talks about the extensive use of Robotics in the current era.



#StudentSpeaks

Online Education is a flexible instructional delivery system that encompasses learning via the Internet. It is a form of education where students can interact with their faculties or mentors via any communicating devices like laptops, desktops, cell phones etc.

Aniket Jana, Student, B. Tech- Electronics & Communication Engineering shares his experience of online classes through various platforms at Adamas University.



[Click to watch](#)

#CallforArticles

Engineering Plus+ is looking for student authors from School of Engineering and Technology (Adamas University) who are willing to contribute short scientific or technical articles for upcoming newsletter issues.

Links of any published articles/blogs authored by you can also be shared for this purpose.

Please send your article/links to soetequity@adamasuniversity.ac.in mentioning your article title, name, department and year.

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