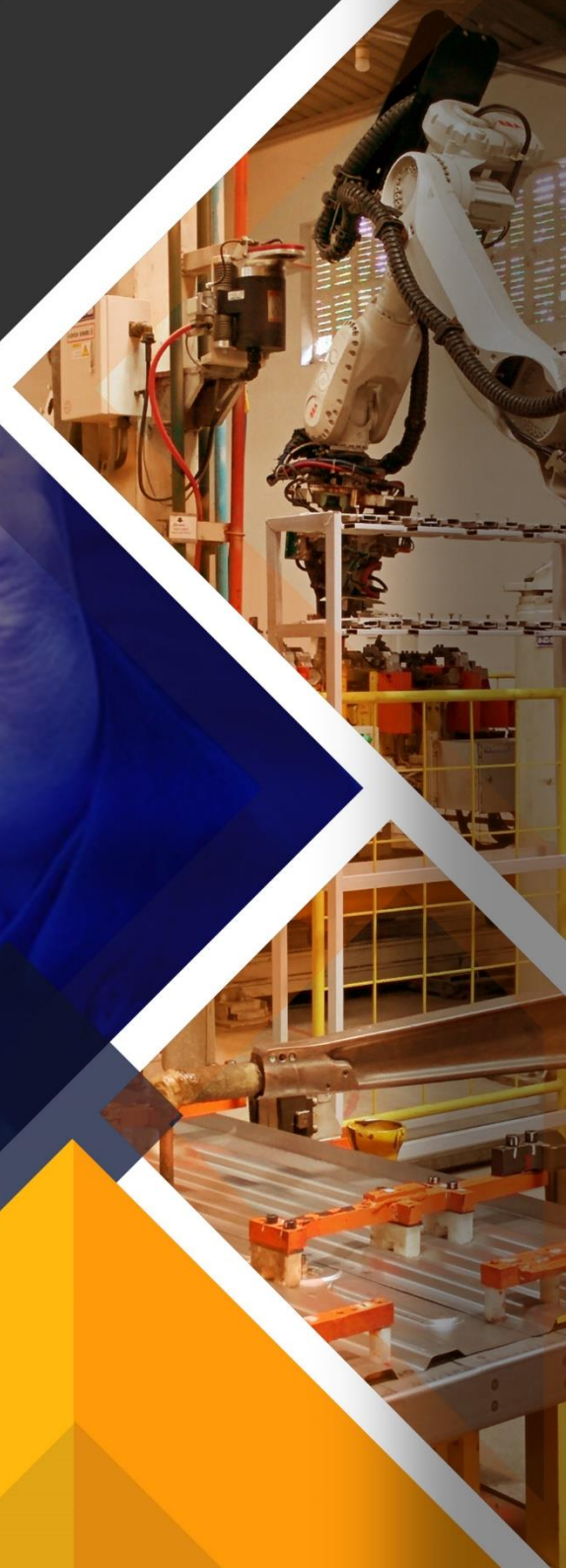


# RUCHA KALEIDOSCOPE

Rucha Engineers Pvt Ltd

June 2021 Issue # 23



25 YEARS  
AND STILL  
GROWING

[www.rucha.co.in](http://www.rucha.co.in)

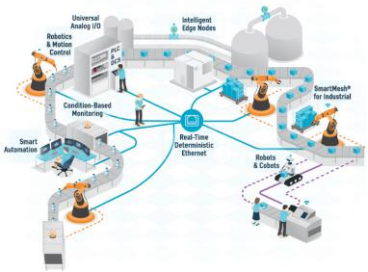




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## AWARDS, APPRECIATIONS & FELICITATIONS



### CONGRATULATIONS TO ALL MEMBERS !!!

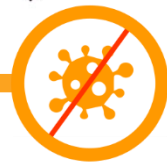
We have been regularly sharing our company updates, employee recognitions, awards, festivities and much more on our LinkedIn page. **We are very happy to share that Rucha Engineers is now a family of 4000+ members on LinkedIn.** This was possible only because of your continued support. Keep following us on our LinkedIn page for timely and continuous updates



At the same time, we also feel very proud to share that Rucha Yantra's LinkedIn family is also growing and has surpassed 5000+ followers last month. We cannot thank you enough for engaging on our updates on LinkedIn and helping our company grow on LinkedIn. With your support we sure will reach greater heights.



## AWARDS, APPRECIATIONS & FELICITATIONS



### HEARTIEST CONGRATULATIONS TO MR. ATUL HASE, MR. VISHAL KAKADE PLANT V & MR. ATUL MUNDE PLANT VII.

We are happy to inform you all that **Mr. Atul Hase** , **Mr. Vishal Kakade (Plant V )** & **Mr. Atul Munde (Plant VII)** are qualified as a “ **New VDA 6.5 Qualification as Product Auditor**” in course conducted by TUV SUD South Asia Pvt. Ltd at Pune on 18<sup>th</sup> June 2021.

**About the Course :** It is a 10 hours exclusive training. The Product Auditor Training aims at training the product safety representative and providing him/her the necessary qualification and understanding to make the person competent enough to explore the various aspects of product integrity. Minimum passing criteria was 70% and the participant has to face written & oral exam to get this certification.





## ROBOTICS IN HEALTHCARE: ANALYZING RISKS, REAPING BENEFITS

Welcome back to another blog in the series Robotics in Healthcare. Previously, we have looked at several new-age applications of robots in delivering healthcare and managing hospitals. Without a doubt, such applications are transforming how patients are treated and providing many benefits to patients, doctors, hospital management, etc. However, with advantages come a few risks and disadvantages too. What are those?



Through this piece, we shall take a look at the benefits we can reap and the risks we must manage as far as the use of robots in healthcare is concerned. Read on!

### Reaping the benefits:

#### Reduced errors

The number of patients dying due to surgical errors has drastically reduced over the past few years, and we have only robotics to thank for saving these numerous lives. Robots like the Da Vinci Surgical System are widely used in hospitals for reducing errors in surgery. At the same time, the Da Vinci Wonderbot allows surgeons to have a magnified 3D vision, thus, giving them enhanced control and making the surgery less invasive. The use of precision robots leads to increased accuracy and reduced human errors.



### ROBOTICS IN HEALTHCARE: ANALYZING RISKS, REAPING BENEFITS

We can hardly imagine the time the nurses and ward boys spend in moving meals, medicines, and supplies around the hospital. Pharmacy robots such as the TUG have come to their rescue as it moves heavy loads, freeing the nurses for providing better care to patients.



Check out how Yantra's robot, Vighnaharta, helps a hospital manage the cleaning and transport of material ( [https://youtu.be/Sn8e\\_ZCTMFQ](https://youtu.be/Sn8e_ZCTMFQ)).

#### **Provide post-surgery assistance**

Patients usually suffer from stress and anxiety after undergoing heavy treatments or surgeries. Providing necessary care post-surgery is thus critical.

Many robots like the PARO Therapeutic robot are helping to improve post-surgery care. They are often used for elderly patients and patients who have dementia. Such robots can also provide animal therapy without the requirement of live animals. These robots help reduce stress and anxiety and develop customized personality traits based on their previous interactions with patients.

#### **Assistance in sanitation and cleaning**

Hospitals are the hub for germs and infections and thus require higher levels of sanitation. A patient on the verge of recovery can get sick again due to the risks of hospital-acquired infections. Therefore, proper cleaning of hospitals should be given utmost importance.

## **ROBOTICS IN HEALTHCARE: ANALYZING RISKS, REAPING BENEFITS**

Robotics has proved to be a boon when it comes to hospital sanitization. Robots such as the Xenex can be used to disinfect rooms by using UV technology. These robots can be used to disinfect hospital rooms within minutes using pulsed, full-spectrum UV rays.

Check out how Yantra's sanitation robot works (<https://youtu.be/2VA72G0I-Uo>).

### **Analyzing the risks:**

#### **Continuous evolving technology**

With advancements in technology, software and programming methods continually evolve. Consequently, older methods are rendered more vulnerable to exploitation and misuse. As robots use software for operations, older ones are also at the risk of exploitation with evolving technology.

#### **Errors leading to injuries**

Almost every robot uses Artificial Intelligence, but the use of AI, too, poses certain risks. AI can sometimes be wrong and may result in errors. Negligence in AI-system quality can cause an injury to the patient. Robots are technology-based, and thus there is always a possibility of malfunctions.

#### **Privacy concerns**

Robots may collect complex and personal data about patients and their medical history. Healthcare robots will monitor a patient at all times, track their activities and report such information back to healthcare facilities. With this fully networked complex technology comes data vulnerability and privacy issues.



## TECHNICAL BLOGS

### ROBOTICS IN HEALTHCARE: ANALYZING RISKS, REAPING BENEFITS

#### Determining Liability

When a robot malfunctions, it becomes a liability, and with this liability comes the question of who must be blamed for this mishap – doctors, hospitals, or the robot manufacturer?

Robotics in healthcare has widened the scope for patient care and hospital management beyond human capabilities. However, we must tread carefully, for the risks posed by the use of robots are many and critical. Doctors and hospitals must work hand-in-hand with robots for improving healthcare and ensuring that no harm is caused because of them.

Stay tuned to our Knowledge Corner as we take a deep dive into the use of Delivery Robots in Healthcare next.



## SPECIAL PROJECTS, EVENTS & AUDITS



### ROHIT SIR ON E-GROWTH EXPERT TALKS | SECOND GENERATION ENTREPRENEUR

Rohit Sir participated in this wonderful discussion organized by E-growth Expert Talks, along with many able industry leaders from Marathwada.

His guidance to the budding entrepreneurs and young leaders from the first and second generation businesses is very interesting as well as relatable. Watch the video and share your comments with us.

Don't forget to subscribe to our YouTube channel

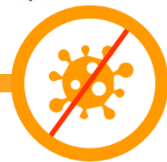
<https://youtu.be/ryVRORcUF6k>



Rohit Dashrathi on E-growth Expert Talks | Second Generation Entrepreneur|Young Leader | Yantra LLP



## SPECIAL PROJECTS, EVENTS & AUDITS



### WORLD ENVIRONMENT DAY CELEBRATION - 5TH JUNE

Monsoon has approached & with that the right time to plant trees to create ecofriendly environment.

RUCHA Group possesses equal concern for social and environmental objectives. Our organization has nurtured this sense for the social cause since its inception. We believe in conducting business with integrated economic, environmental, and social objectives and also keep in mind the company's operations, growth & prosperity.

This year theme for World Environment Day 2021 is, '**Ecosystem Restoration**' with a focus on its role in providing the essential infrastructure that supports life on Earth.

Lets plant trees for better tomorrow!!



Plant I  
15 Trees Planted



Plant II  
24 Trees Planted



Plant III  
10 Trees Planted



Plant IV  
05 Trees Planted



Plant V  
06 Trees Planted



Plant VI  
05 Trees Planted



Plant VII  
40 Trees Planted



Plant IX  
20 Trees Planted



Plant X  
05 Trees Planted



"I grow not because I know, I grow because  
I learn ..."

Below are the trainings arranged for our employees  
relevant to their work areas.



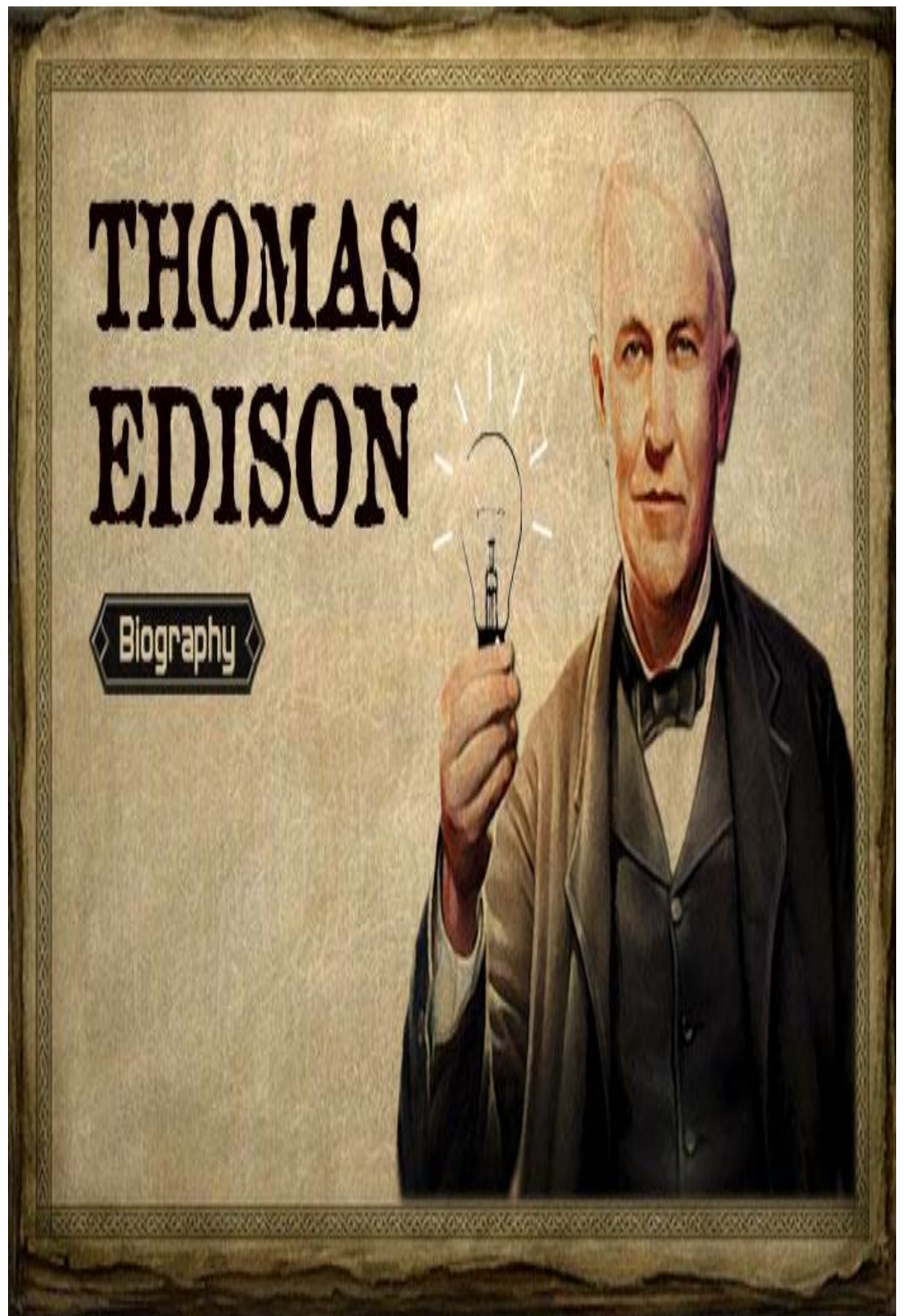
Sr. No	Training Topic	Participants
1	MPCB Requirements Awareness	14
2	Workforce Planning in post COVID ERA	13
3	VDA 6.5 Product Auditor Program	03
4	Environmental protection through disposal of organic waste by innovative methods	11
5	Work at height and on fragile roof	05
6	Heartfulness Meditation 3 days workshop	45
7	BAL Guidelines & System	25
8	EMS & OHSAS Awareness	62
9	Advance Welding Technology	21
10	TPM Awareness	18
TOTAL		217

### POPULAR BOOKS AVAILABLE AT OUR LIBRARY...!! SUGGESTED TO READ

This month's suggested book is a biography of a very well known scientist "THOMAS EDISON" written by Mr. Chetan P Sharma. The book elaborates the challenges and struggles faced by Edison and how he overcame those challenges.

Introduction: The name of Thomas Alva Edison shall be there in golden letters till the end of the human history in the illustrious list of greatest once whose contribution changed the course of the life of the mankind.

As a scientist, inventor and entrepreneur, today's youth is exposed to Edison's findings and the foundation of his elementary inventions related to light and energy at a very primary level of education.



**Happy reading.....!! Explore many such worthy books of your choice through our Library Management System, available on Rucha portal.**

**[https://www.rucha.co.in/portal/index.php/LMS/LMS\\_cntr/user\\_DashBoard](https://www.rucha.co.in/portal/index.php/LMS/LMS_cntr/user_DashBoard)**



## EMPLOYEE ENGAGEMENT



### INTERNATIONAL YOGA DAY CELEBRATION

‘Yoga’ plays a significant role to take care of ourselves against COVID-19 to improve general immunity among all age groups. A Common Yoga Protocol (CYP) protocol is available on WHO m-app can be used by the general population to stay fit along with other hygiene and social distancing measures in this current scenario. Yoga is commonly used to reduce disease susceptibility in high risk population. To add-on Yoga based life style to hospitalized cases without acute respiratory distress.

Event for International Yoga Day was organized at all Plants and a lot of Employee showed their enthusiasm by participating in Celebration in plant as well as from remote location by sharing their Pictures.



Plant I



Plant VI



Plant VII



## EMPLOYEE ENGAGEMENT



### PLANT COMMUNICATION MEET (PCM)

To strengthen the ties with our valued employees various programs are getting conducted for their active engagement.

A 'Plant Communication Meet' gets conducted monthly across the Rucha group. We believe in transparency to our employees and thus event is organized keeping in mind employee moral boosting & clarity of our business in near future.

This session covered company near future prospects. Employees across all levels are appreciated for their best contributions in the form of Kaizens and improvements.





## MOTIVATIONAL STORY : THE OBSTACLE IN OUR PATH



There once was a very wealthy and curious king. This king had a huge boulder placed in the middle of a road. Then he hid nearby to see if anyone would try to remove the gigantic rock from the road.

The first people to pass by were some of the king's wealthiest merchants and courtiers. Rather than moving it, they simply walked around it. A few loudly blamed the King for not maintaining the roads. Not one of them tried to move the boulder.

Finally, a peasant came along. His arms were full of vegetables. When he got near the boulder, rather than simply walking around it as the others had, the peasant put down his load and tried to move the stone to the side of the road. It took a lot of effort but he finally succeeded.

The peasant gathered up his load and was ready to go on his way when he saw a purse lying in the road where the boulder had been. The peasant opened the purse. The purse was stuffed full of gold coins and a note from the king. The king's note said the purse's gold was a reward for moving the boulder from the road.

The king showed the peasant what many of us never understand: every obstacle presents an opportunity to improve our condition.



## **R**ESPECT

Honor for  
Dignity &  
Sanctity

## **U**RGE

To strive for  
Innovation and  
Excellence

## **C**ONFIDENCE

To welcome  
and Embrace  
Change

## **H**ONESTY

Stand for  
Truth and  
Transparency

## **A**MBITION

Strong Drive  
for Growth



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Building Bright Future  
with **Green Commitment**