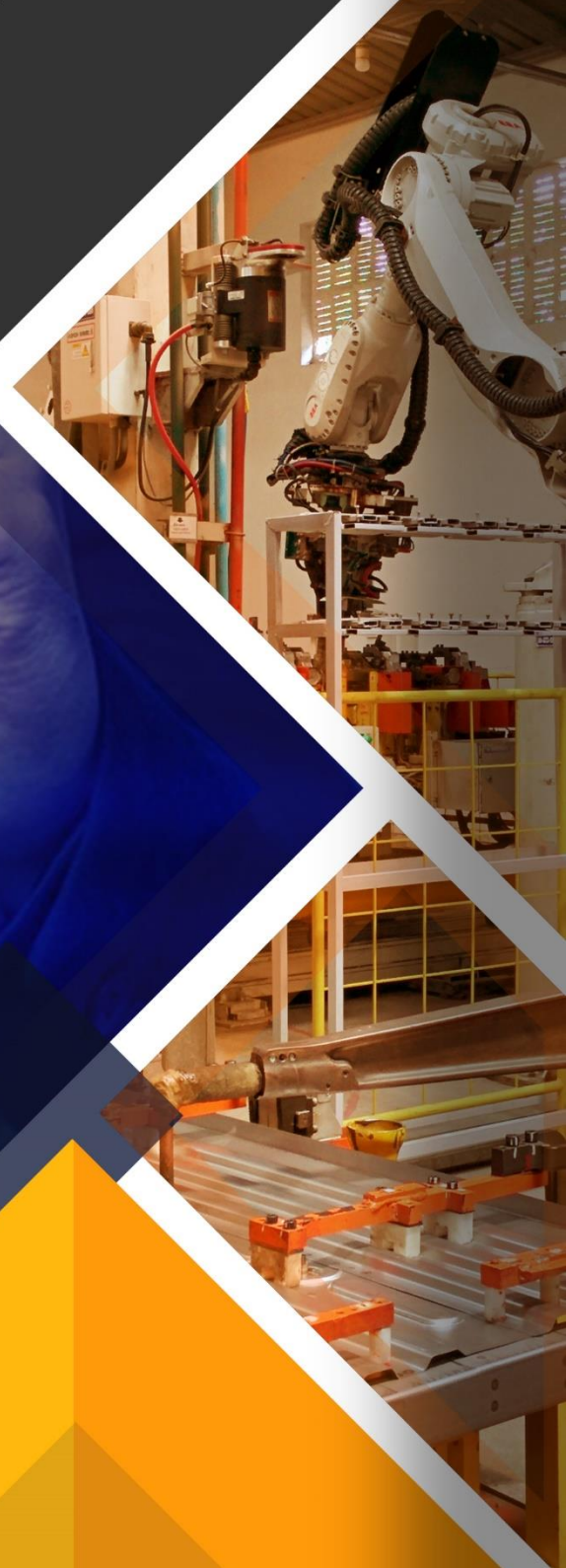


# RUCHA KALEIDOSCOPE

Rucha Engineers Pvt Ltd

June 2022 Issue # 35



25 YEARS  
AND STILL  
GROWING

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









## CONGRATULATIONS TO ALL MEMBERS !!!

Rucha Group completed 25 glorious years of excellence in January 2022!

Finally the auspicious day came on 23<sup>rd</sup> June 2022, when everyone came together to enjoy the happy occasion. Celebrations were carried out grandly across Aurangabad, Pune, Sanand, Mysore, Hosur with the participation of all the employees. The program encompassed felicitations, cultural activities, speeches, get together, food and music. Also, we gratefully felicitated the employees who nurtured the Group through more than 15 years of service. The most special part of the function was "Live Streaming" across all the locations and YouTube which brought all the employees together in spite of their physical distances.

It was a great honour to have our leader MD sir with us on this occasion and he took us through the group's road map in the coming future. Inauguration of REPL's corporate video by hands of our MD sir.

Rucha Group president Sohoni Sir encouraged the whole team with his valuable guidelines & showered best wishes for all of us.

Last but not the least Rucha's young leadership Rohit Sir embarked all members of REPL family on the group journey. He said that we have plans for expansions and in near future the group will be aiming for reasonably increased export of parts globally.

As always it was a very energetic ending for the event with a much meaningful yet humorous vote of thanks from Jite sir.

Congrats again! Hope you all enjoyed the tasty & nutritious gifts from Burley Field!!

<https://lnkd.in/eZ8WifJn>

[#ruchayantrallp](#) [#silverjubilee](#) [#celebration](#) [#music](#) [#video](#) [#live](#)





## AWARDS, APPRECIATIONS & FELICITATIONS







## AWARDS, APPRECIATIONS & FELICITATIONS







## AWARDS, APPRECIATIONS & FELICITATIONS







## TECHNICAL BLOGS

### WHAT IS INDUSTRIAL AUTOMATION, AND WHERE IS IT TAKING US?

Welcome back to another series of interesting information and insights into modern technologies. This time around, we shall be taking up the topic of Industrial Automation. We hope you find it interesting. Let's begin!

Automation is rapidly transforming how we think about, Operate and utilize technology across industries for various processes. Today, industrial automation is a reality that goes beyond mechanization - it involves the active use of control devices like PCs, PLCs, and PACs to successfully navigate industrial processes.



Though it is broad in scope and purpose, industrial automation can be defined precisely. Simply put, it refers to the integration of computerized machinery, information technologies, and control systems into core operational processes, allowing industries to move to higher levels of productivity, precision, and quality.

#### Understanding the Radical Shift Across Industries

By adopting critical information technologies, computers, and robots for industrialization, one can eliminate the necessity for human labor intervention as much as possible, substituting dangerous assembly operations with automated ones. As a result, industries have seen a significant scaling of productivity, but more importantly, greater quality standards and flexibility in crucial manufacturing processes. Take, for instance, the automobile industry. With automation replacing the manual installation of pistons into the engine, the error rate has come down to around 0.0001%, where it used to be nearly 1.5%.



## TECHNICAL BLOGS



### WHAT IS INDUSTRIAL AUTOMATION, AND WHERE IS IT TAKING US?

The impact of automation on automobile manufacturing processes is hard to overestimate; today, a growing number of manufacturing plants are reaping the benefits of industrial automation daily.

Several studies have shown that the popularity of automation through robotics continues to rise. In 2016 alone, the worldwide shipment of robots came close to 300,000, nearly twice as much as its growth four years prior.

#### A Brief History of Industrial Automation

Automation is a process of employing machines and equipment that can be traced back to the 11th century when miners used waterwheels to access water from shafts and tunnels below the ground. The modern understanding of automation began in the 1800s during the period acknowledged as the 'Industrial Revolution. Factories began utilizing automated tools and processes to scale their productivity.

In the 1920s, electricity was widely used to increase production processes' speed, transforming factory floors' dynamics. By the 1930s, moving into the 40s, they began employing feedback controllers, further expanding the scope of industrial automation. Fast forward to the 1980s: nearly every industry, from manufacturing to pharmaceutical, was rapidly transforming thanks to the unanimous embracing of technology in daily operations.

While today some processes in the industrial field have been entirely automated, many others benefit from the continual interaction of human beings and technology. Automation need not be computer-driven, and the scope of industrial automation is broad enough to integrate electronics, hydraulic, pneumatic, and electrical processes. The precision and consistency achieved today with industrial automation are undeniable, as facts and figures from various studies have shown.



### WHAT IS INDUSTRIAL AUTOMATION, AND WHERE IS IT TAKING US?

#### Why Industrial Automation Remains the

#### Need of the Hour :

With the emergence of Industry 4.0 as a critical player in reorganizing industrial processes, the future of Industrial Automation looks secure and bright. Factory floors are more technologically advanced than ever, continually looking for new ways to reduce costs and TAT. Reports suggest that the Factory Automation and Industrial Controls market will reach [\\$239.11 billion by 2023](#), a staggering figure for a market that continues to research, develop, and improve.



Today, robotic tools are paving the way for Smart Robots designed to adapt to changing conditions and multitask. Machine Learning and Deep Learning capabilities are built into the fabric of these machines, which means their computational abilities far exceed anything previously envisioned. There is also likely to be a greater confluence of human intelligence and robotics.

Big data is set to change how we think about the industrial sector, helping us reimagine and revitalize its key operations and functions. Decision-making will become a more expensive endeavor with the aid of continual insights and forecasts. Data analytics as a system is already rapidly transforming logistics and production processes; with vital equipment integrating Machine Learning capabilities and critical analytics, a predictive and self-diagnostic approach to maintenance is almost inevitable.

**Embracing the Future of Industrial Automation :** With a long journey behind it and an important one ahead, Industrial Automation is geared to establish near-accurate





## TECHNICAL BLOGS



### WHAT IS INDUSTRIAL AUTOMATION, AND WHERE IS IT TAKING US?

Factory floors in the future. Moreover, now that we have access to a vast amount of scientific data on our energy consumption, Industrial Automation must address critical issues of material management, efficiency in energy and resource management, and a more accurate understanding of how to utilize the equipment.

There's a revolution going on in the Industrial Sector – and it involves a creative collaboration between human beings and technology towards a much greater functional value chain.





## SPECIAL PROJECTS, EVENTS & AUDITS



### RUCHA YANTRA

Welcome back to Yantra's SPM series!

Today's video is about the Dry Leak Testing SPM. Let's see some very important advantages and uses!

Operation:

1. Pressurized air is filled in component to be tested.
2. Stabilized air pressure is held for defined time.
3. Found ok if no pressure drop occurs on pressure indicator.
4. Can be equipped with additional features for marking and tractability.

Advantages:

1. No manual process for such operations
2. Multi operational machine with compact size.
3. Easy to handle , and quick acting mechanism.

<https://youtu.be/WHWVLZaUZi4>

Subscribe to our YouTube channel for more videos.

[#ruchayantrallp](#) [#spm](#) [#technology](#) [#innovation](#) [#automation](#) [#robotics](#) [#testing](#)  
[#leaktesting](#)







## SPECIAL PROJECTS, EVENTS & AUDITS



We are delighted to launch Burlyfield's official LinkedIn page today. We are the maker's of 100% natural, healthy food products across varied categories. To know more about our products, processes, ingredients and happenings, keep following us on LinkedIn. Thank you and looking forward to a wonderful journey ahead.

[#burlyfield](#) [#linkedin](#) [#linkedinfamily](#) [#food](#) [#thankyou](#) [#foodandbeverage](#) [#foodandbeverageindustry](#)



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## SPECIAL PROJECTS, EVENTS & AUDITS



### 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.







## 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.







## SPECIAL PROJECTS, EVENTS & AUDITS



### EMPLOYEE TRANSPORTATION SERVICES

Rucha Group has recently launched “Employee Transportation Services” considering the safety and comfort of employees. These buses will also help in creating environment sustainability by reducing the number of individual vehicles and carbon footprint. We believe that all our employees will take the benefit of these services and help us build a bright future with green commitment. .

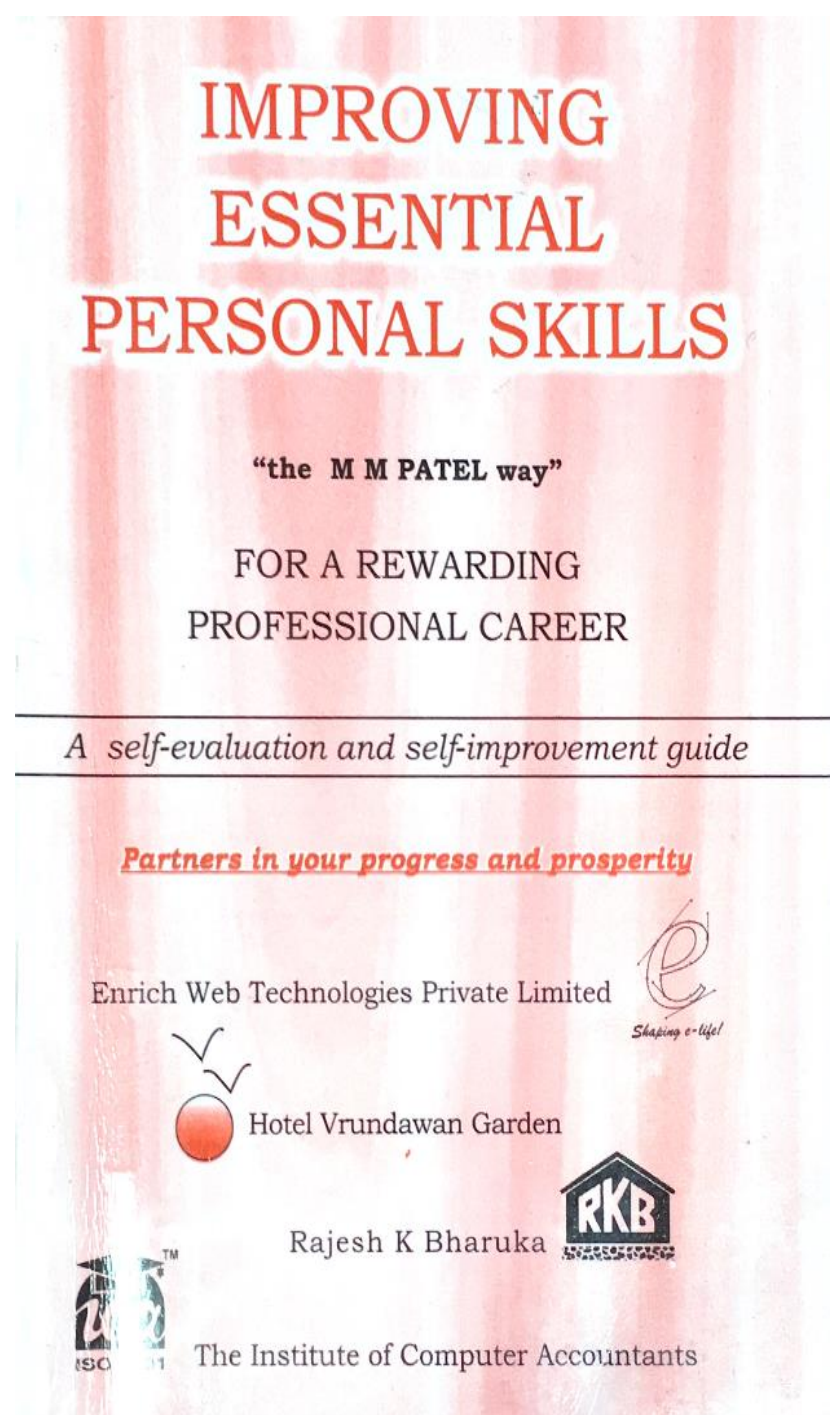




## POPULAR BOOKS AVAILABLE AT OUR LIBRARY...!! SUGGESTED TO READ

Mr. M M Patel author of the book planned a series of the books for students and professionals . The book covers essential personal skills with brief working definitions and corresponding behaviors. The method of objectively assessing the skills in terms of behaviors has also been included, This will lead to indention of your strengths as well as the behaviors needing improvements.

The development of the personality after ready the book is will be seen and felt by the individual as after reading the book it should be implemented in the day today work life and make the part of the daily routine, Enhancing the personality with the effective communication is the motive of the book which is strongly recommended to read.



**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)**





## MOTIVATION & PERSONALITY DEVELOPMENT



### MOTIVATIONAL STORY : SELF-WORTH (VALUE)

#### Self-Worth

At the beginning of a new school year, a class teacher stands up in front of her students holding a \$100 bill. She tells them, “Put your hands up if you want this money”. Every hand in the room goes up, to which the teacher says, “I am going to give this money to someone here, but first, let me do this...” She takes the bill and crumples it up in her hands, before asking, “Who still wants it?” The hands stay up. The teacher then drops the bill on the floor, stomps and grinds it into the ground, and picks it back up. “How about now?” she asks again. The hands stay up. “Class, I hope you see the lesson here. It didn’t matter what I did to this money, you still wanted it because its value stayed the same. Even with its creases and dirtiness, it’s still worth \$100.” She continues, “It’s the same with us. There will be similar times in your life when you’re dropped, bruised, and muddled. Yet no matter what happens, you never lose your value.”

#### Moral

Life’s hardships are inevitable and we’ll all be put through the ringer at some point, often through no fault of our own. Don’t let these challenges alter your feelings of self-worth. You’ll always be enough; you have something unique and special to give and offer the world.





## **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



### CORPORATE OFFICE

Rucha Engineers Pvt. Ltd.,  
K-249, M.I.D.C. Area, Waluj,  
Aurangabad - 431 136 (M.S.) India



0240 - 2553118



[repl@ruchagroup.com](mailto:repl@ruchagroup.com)



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

Building Bright Future  
with **Green Commitment**