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THE NEWS LETTER

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Director's Message,

Dear Team Members,

"Teamwork makes the dream work! Let's keep communicating, understanding each other, and growing together at AutoScan India Private Limited. Our commitment to sustainable growth is what sets us apart. Thank you all for your hard work and dedication!"

Effective communication, both with clients and internally, is key to our success at AutoScan India Private Limited. Understanding each other's perspectives fosters collaboration and strengthens our teamwork. Let's continue to support each other and strive for growth together.

Let's keep working hard together to achieve sustainable growth. I'm proud of the dedication and effort each of you puts into every day.

-Shreehari Kalakeri.

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Corporate News:

Safety Week Celebrations:

As everyone is aware that from March 4th to March 10th India observes National Safety Week, a crucial government-regulated campaign aimed at safeguarding the health and well-being of workers across all sectors. And we AutoScan India also initiated to celebrate the National Safety Week. In view of this we came together to reaffirm our commitment to creating a safe and secure work environment for all our employees. Initially we have started the week with the National Safety Pledge for a safe environment and safe work culture. And continuing to that through informative workshops, interactive sessions, and practical demonstrations, we reinforced the importance of safety protocols and practices across all departments.

Safety Week was a reminder of our commitment to maintaining a safe and secure work environment for all employees. We have conducted various safety related activities, training sessions, and awareness programs to ensure that safety remains our top priority.

We look forward to continuing these initiatives and creating a safe, inclusive, and empowering workplace for all at AutoScan India Private Limited.

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Additionally, we celebrated International Women's Day on March 8th with great enthusiasm and appreciation for the invaluable contributions of women in our workforce. From inspiring panel discussions to empowering workshops, we honored the achievements of women and reaffirmed our commitment to diversity, inclusion, and gender equality in the workplace.

Thank you to all the amazing women at AutoScan India Private Limited for your dedication, talent, and leadership. These events remind us of the importance of coming together as a team to promote safety, diversity, and Inclusion in our workplace. Let's continue to foster a culture of respect, support, and empowerment for all employees as we strive for excellence and success at AutoScan India Private Limited.

We had **Dr. Prachee Hendre Mhetras BDS, MDS (Periodotists**) and **Dr. Ashwini Chikane BAMS , DGO** at AutoScan India Private Limited for their valuable and informative sessions on the occasion of International Women's Day.

Both celebrations were a great success, thanks to the enthusiastic participation of our employees. We look forward to continuing these initiatives and creating a safe, inclusive, and empowering workplace for all at AutoScan India Private Limited.

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## Location wise Team Members Welcomed in March 2024 & Members Celebrating the Work Anniversary with AutoScan.

Name	Location
Sunil Sorout	Faridabad
Souradip Naskar	Faridabad
Manoj Kumar	Faridabad
Manish Kumar	Faridabad
Suryamani Singh	Faridabad
Rajesh	Faridabad
Pawan	Faridabad
Rajeev Kumar	Faridabad
Aditya Kumar	Faridabad
Naveen Kumar	Faridabad
Deepak Dhyani	Faridabad

Name	Location
Robin Mandloi	Indore

Name	Location
Jaymin Patel	Halol
Kiran Gadikar	Halol
Himanshu	Halol

Name	Location
Sopan Junare	Pune
Chinmayee Bhoi	Pune
Abhijit Raut	Pune
Subhransu Dhall	Pune
Aniket Dashrath Barage	Pune
Prithviraj Shinde	Pune
Dhanaji Chavan	Pune
Swapnil Wagare	Pune
Ramjan Shaikh	Pune
Ankita Jadhav	Pune
Atul Patil	Pune
Kishor Shivgan	Pune
Somnath Abuj	Pune
Pranay Tembe	Pune
Sukesh Powar	Pune
Sachin Udan	Pune
Prabhakar Hamne	Pune
Abhishek Ingle	Pune
Rahul Banne	Kolhapur

Name	Location
Selva Ganesh	Chennai
I Jegadeesan	Chennai
Vinoth Kumar	Chennai
Rexton	Chennai
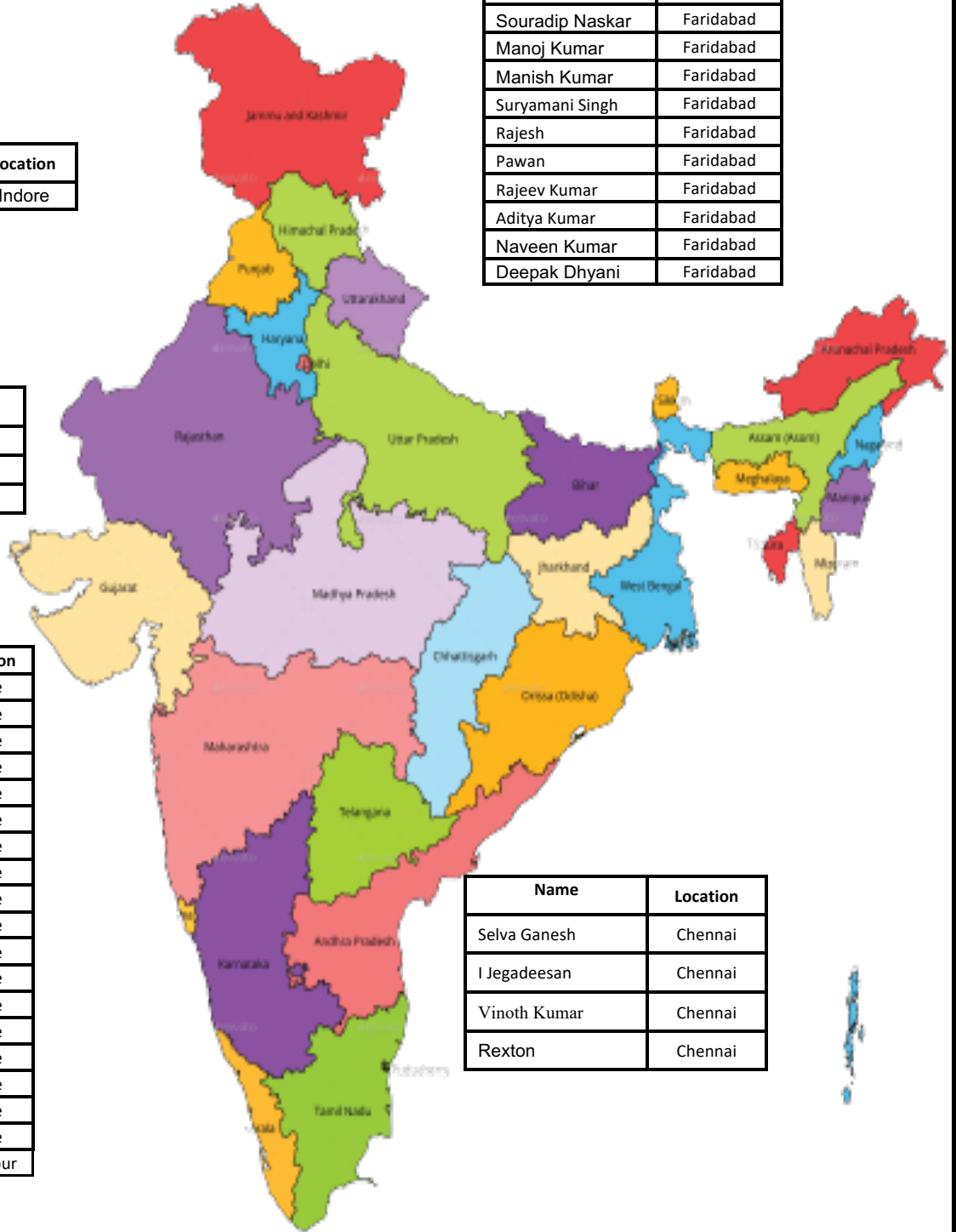
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Wholeheartedly we wish all the very best to all our new employees on board to take up new tasks and face new challenges.

And, we congratulate our employees for celebrating their work anniversary with AutoScan India Pvt. Ltd.,

Sr.No	Employee Name	Location	Sr.No	Employee Name	Location
1	Jaihind Kushawaha	Faridabad	12	Kunal Shinde	Pune
2	Gopinath Lakak	Pune	13	Vishal Jangid	Halol
3	Krishan Kumar	Faridabad	14	Kiran Shukla	Halol
4	ROHTASH GOLA	Faridabad	15	Gouspak Shanwad	Dharwad
5	Rushikesh Waje	Pune	16	Vishal Aher	Pune
6	Manoj Kumar	Faridabad	17	Yuvraj Vibhute-Patil	Pune
7	Vinod Rawat	Faridabad	18	Ganesh Gujar	Pune
8	YOGESH KUMAR PAL	Faridabad	19	Umesh Singh	Pune
9	Sonu Kumar	Faridabad	20	Sopan Khawade	Pune
10	Vijendra Sahani	Faridabad	21	ANIL KUMAR	Faridabad
11	Ravi Kumar	Faridabad	22	Bishnu Kumar	Halol

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Knowledge Sharing:

Topic: PPAP DOCUMENTATION

The PPAP is a requirement of the **IATF 16949:2016** certification and is also one of the automotive sector's main tools to guarantee reliability and quality. Specifically in the manufacturing processes of the pieces handled in this sector.

Undoubtedly, it is an interesting requirement that deserves proper attention and due knowledge. For this reason, we have compiled some interesting data in this space.

The PPAP is a terminology that identifies a quality process in the automotive sector that meets a particular ISO definition. In other words, the vocabulary above defines the following:

- The Production Part Approval Process (PPAP).

The acronym translates: To product Part Approval Process and is called Core Tools. This is a standardized instrument used to manage the reliable industrialization of vehicle parts and components.

- IATF 16949:2016.

This code refers to the QMS standard (Quality Management Systems) defined for the automotive sector and is based on the ISO 9001 specialty standard.

The PPAP methodology guarantees the efficiency of manufacturing, modification, or restoration of automobile components. The process involves everything related to the industrialization of the product between customers and suppliers.

Importance of using PPAP to quality in manufacturing:

Using the PPAP guide in the automotive manufacturing sector lets you increase the efficiency of the work carried out. On the other hand, having a product inspection and specification plan linked to the QMS allows for the following:
- Minimize the margins of error.
- Obtain analytics and metrics for the best decision-making.
- Close the possibility of defective parts reaching the customer's hands.

In this sense, the PPAP is the pillar of the automotive sector suppliers interested in satisfying the client, providing confidence in the final result.

Purpose of PPAP:

The Production Part Approval Process (PPAP) is a framework of requirements used in the automotive supply chain to establish confidence in suppliers and their manufacturing processes.

The purpose of the PPAP is to ensure that the customer's design has been understood by the supplier and to prove that the supplier is capable of producing parts that meet all the requirements consistently.

18 Elements of PPAP:

1. **Design Documentation**
   A part drawing that is usually provided by the customer. Every feature on the part drawing must be ballooned (or bubbled) to correspond with the inspection results. This includes print notes, standard tolerance notes and specifications, and anything else that is relevant to the design of the part.

2. **Engineering Change Documentation**
   A document that shows the detailed description of the change, usually called an "Engineering Change Notice". This document is only required if there is a change.

3. **Customer Engineering Approval**
   This approval is usually the engineering trial with sample production parts performed by the customer. A "temporary deviation" is often required to send parts to the customer before the PPAP is complete. Your customer may require other additional engineering approvals.

4. **Design Failure Mode and Effect Analysis (DFMEA)**
   Design Failure Mode and Effect Analysis (DFMEA) is an application of the Failure Mode and Effects Analysis (FMEA) that is specific to the design stage. The DFMEA allows the design team to document what they predict about a product's potential failures before completing a design and use this information to mitigate the causes of failure.

5. **Process Flow Diagram**
   The Process Flow Diagram shows all the steps required in the manufacturing of the part. It should include all of the main steps in the processing of the part including incoming components, measuring, and inspection. The Process Flow Diagram should match the control plan and the Process Failure Mode and Effects Analysis (PFMEA) and also includes the flow of non-conforming materials and parts.

6. **Process Failure Mode and Effects Analysis (PFMEA)**
   Process Failure Mode and Effects Analysis (PFMEA) evaluates each step in the production process to indicate what could go wrong during the fabrication and assembly of each part.

7. **Control Plan**
   The Control Plan mirrors the PFMEA (Process Failure Mode and Effects Analysis) and provides more details on how potential issues are checked in the incoming inspection, assembly process, or during the inspection of the finished part.

8. **Measurement System Analysis Studies**
   The Measurement Systems Analysis is a study itself and will conform to the customer's relevant ISO or TS standard. Typically, it includes the Gauge R&R (Gauge Repeatability and Reproducibility) for the critical characteristics and a confirmation that gauges used to measure these characteristics are calibrated.

9. **Dimensional Results**
   A list of every dimension on the ballooned part drawing and measurement results. This list includes the product characteristic, specification, measurement results, and assessment showing if the dimension "passed" or "failed". Typically, a minimum of 6 pieces are reported per product.

10. **Records of Material / Performance Tests**
    A summary of all tests that have been performed on the part. The summary should document any pass or fail inspection results. It should be signed off by the customer and the supplier to show that all required tests have been done and any additional data for tests have been submitted.

11. **Initial Process Studies**
    Generally, this includes SPC (Statistical Process Control) charts for critical characteristics. These studies demonstrate that the critical processes are stable and are ready to begin the process validation builds.

12. Qualified Laboratory Documentation
Includes all of the industry certifications for any lab that was involved in completing validation testing.

13. Appearance Approval Report (AAR)
The Appearance Approval Report verifies that the customer has inspected the final product and it meets all the required appearance specifications for the design. The report includes color, textures, fit (gaps between parts), etc.

14. Sample Production Parts
A picture of the production parts is included in the PPAP documentation along with the location where the parts are stored.

15. Master Sample
A sample part that is signed off by the customer and supplier. The master part is normally used to train operators on subjective inspections such as visual or for noise.

16. Checking Aids
Checking aids are used by production and are a detailed list of all the tools used to inspect test or measure parts during the assembly process. This aid will list the part, describe the tool, and have the calibration schedule for the tool.

17. Records of Compliance with Customer Specific Requirements
This section of the PPAP requirements is where each customer lists their own specific requirements for the PPAP process.

18. Part Submission Warrant (PSW)
The Part Submission Warrant is a summary of the entire PPAP submission and specifies:
- The drawing numbers and revisions
- Part information
- Test results.
- Material declarations numbers
- Any deviations from earlier elements.

PPAP LEVEL | PPAP PROCESS
PRODUCTION PART APPROVAL PROCESS

Level-1 • Part Submission Warrant (PSW) only with appearance report (if applicable)

Level-2 • PSW with product samples and limited supporting documents

Level-3 • PSW with product samples and complete supporting documents

Level-4 • PSW and other specific requirements as defined by the customer

Level-5 • PSW with product samples and complete supporting documents available for review at supplier location