

# ACMA

Automotive Component Manufacturers Association of India

# IMPACT

Vol. 12 | No. 3

September 2019

## Preparing for Future

Issue Sponsored by:



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## Contents

■ Chairman's Message	1
■ Launch of ACMA's 1st of HR Cluster	2
■ Launch of ACMA's Advance Cluster 14	3
■ Launch of ACMA - LMW Advance Cluster	4
■ Launch of ACMA- WIL Uptime improvement project	5
■ Zero Defect Manufacturing Workshop	6
■ ACMA-HSEP Advance Cluster Management Review	7-8
■ Culmination Ceremony of ACMA NPD design Cluster-1	9-11
■ LCA training for Honda Supplier Club Members	12
■ Highlights: UDAY Pride Program 2019	13
■ Saksham- ACMA Centre of Excellence	14-17
■ ACMA Technology Summit, 2019	18-19
■ Short term Cluster Program	20

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Dear Reader,

I am happy to share with you the Volume 12 - Issue 3 of IMPACT, themed "preparing for future." Today the auto industry environment is passing through a challenging phase. The vehicle sales in all segments have continued to show de-growth for the last several quarters. The subdued demand, recent investments made for transition from BSIV to BSVI, lack of a clarity on policy for electrification of vehicles, especially for two and three wheelers, has left the industry unsure of its future and has caused it to stop all future investments. As we prepare for introduction of electric mobility in the country, the FAME 2 scheme and the associated Phased Manufacturing Program (PMP) are indeed welcome steps in this direction and will ensure a successful 'Make in India' program.

The down trend in the automotive industry is neither first nor last. It is a cyclic process and once the environmental transformations are settled, the growth cycle will be back. But the bigger question is, are we ready for future when the demand heads north again. It is in this context that the component manufacturers need to prepare and get themselves future ready. The readiness for tomorrow will happen only if we work for it today. It is true that new products will flood the market with newer technologies and the best method to cope up is to take this challenge as an opportunity and start preparing for it, today. To manage these new technologies, we will need workforce with redefined skill sets.

As an organisation, which is always ready to extend the helping hand to its membership, ACMA has designed new cluster programs which will strengthen our member organisations from within and will give them the much-needed paradigm shift in skilling their workforce. HR cluster and Low-cost automation, storage & logistics and new product management are some of the examples. Apart from our regular cluster program we are also imparting technical and behavioral training to membership through our dedicated knowledge centre, ACMA Centre of Excellence, SAKSHAM at Sonipat. Both Mechatronics and Design labs are equipped with highly sophisticated and ultra-modern software / equipment to train our workforce in newer and future relevant skills.

This issue also gives you a glimpse of ACMA's upcoming summit on "Exploring New Frontiers of Technology" at Pune on 25th & 26th November 2019. As the theme signifies the upcoming event will provide a platform for dissemination and exchange of knowledge among various stakeholders (policy makers, OEMs, component manufacturers, academic institutions, researchers) on future technologies and their implications.

I am using this platform to bring to fore a very perilous issue affecting all of us today – WATER scarcity. We can live without oil but without water we will be dead in no time. I strongly feel we, as an individual or organisation have social and individual responsibility towards environment. As a CSR initiative ACMA has pledged to sensitise matter of water conservation as a focal subject at ACMA platforms. I truly believe, "What will save us is not technology or science. What will save us is the ethical transformation of our society." Therefore, I urge Industry companions to join hands together in this social cause with ACMA. This is the least we can do for our children.

I am sure you will take advantage of the above opportunities to prepare your people for the changing future needs so that your organisations are ready to take on the challenges of tomorrow.

I wish you all a happy learning and look forward to receiving your feedback on our publication to improve it further.

Best wishes  
FR Singhvi

# LAUNCH OF ACMA's 1st HR CLUSTER

ACMA continually gauges the requirements of the Indian Auto Component Industry to help it remain globally competitive. In line with the demand from the industry, ACMA designed its 1<sup>st</sup> HR Cluster Program and its grand launch happened on 23<sup>rd</sup> July 2019 coinciding with HR conclave at New Delhi.

## The cluster was inaugurated by-

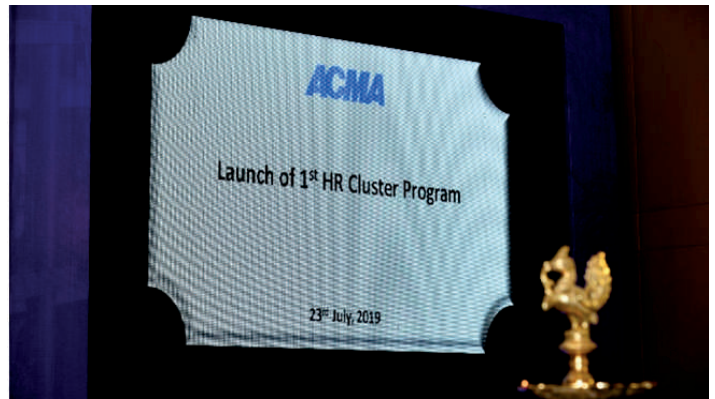
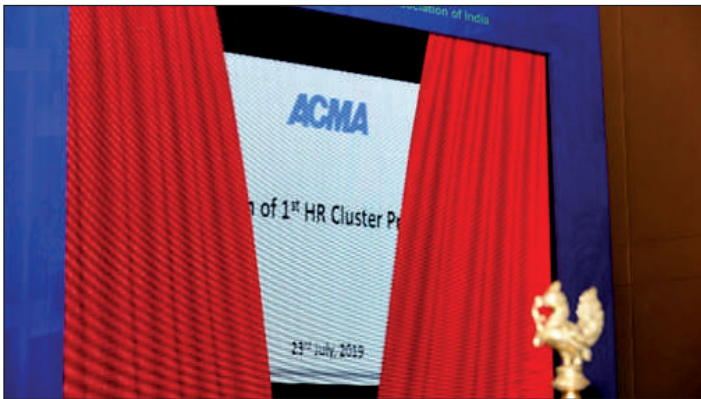
Mr. CV Raman, Sr. Executive Director (Engg., Quality & Supply Chain) - Maruti Suzuki India Ltd.

Mr. Deepak Jain, Vice President- ACMA and Chairman & MD- Lumax Industries Ltd.

Mr. F R Singhvi, Chairman, Pillar-3 Skilling & Mentoring and President- Sansera Engineering Ltd.

Ms. Shradha Suri Marwah, Chairperson, Sub Pillar for HR & IR and MD- Subros Ltd.

Mr. Navneet Rattan, Director- Performance & Rewards- AON Consulting Pvt. Ltd.



The esteemed guest Mr. CV Raman, spoke about the importance of developing human resources in the current scenario. He shared his vast experience in the field of Automotive industry and enlightened the delegates with the ways to improve the human capital.



Mr. Singhvi also, asked the delegates to invest in building the human capital of their organisation. He said this cluster is a step in this direction. This Cluster Program primarily focuses on developing the overall systems & practices in an organisation so that there is improvement in managerial and operational capabilities in people leading to the creation of World Class Workplace. ACMAHR Cluster Program focuses on the following:

- Building culture in the organisation
- Gauging and controlling HR issues.
- Training and developing its employees to the next level.
- Documenting HR policies & practices.
- Mapping HR structure and issues.

The Mentor for this program is Mr. Raman Sharma and Counselors are Mr. DP Singh and Ms. Tanu Ahuja.

## LAUNCH OF ACMA'S ADVANCE CLUSTER 14

In Advance Cluster series, 10 Cluster programs have been successfully completed and 3 Cluster programs with 16 companies are securing multiple benefits and are at different stages of progression.

In this series, Advance Cluster 14 was inaugurated at Pune on 10<sup>th</sup> June 2019. The chief guest for the program Mr. Piyush Munot lit the inaugural lamp and congratulated ACMA team for their contribution and service to the auto component industry in skilling & upgrading the industrial work force.

ACMA team was led by Mr. Dinesh Vedpathak, Head Skilling & Mentoring, Mr. V K Sharma, Head Cluster Program, Mr. Sunil Mutha, Principal Counselor and also all the participating companies' members were present at this occasion.



Speaking on the occasion the chief guest Mr. Munot shared the experience of his own company and the overall benefits accrued. He urged the delegates of the participating companies that they must engage in one of the programs run by ACMA. He wished them success in their Cluster journey.

The mentor for the program is Mr. Hemant Dike and Counselors are Mr. Ravindra Kulkarni and Mr. Mahesh Gupta. The participating companies are:

- Kinetics Engineering
- Heromotors India Limited
- Auto Ignition Private limited
- Mutha Foundry



This Cluster Program primarily focuses on Lean Manufacturing and the objective of this program is to improve companies to a level where they are able to: -

- Face the future challenges & grab the opportunities to become globally competitive.
- Sustain the growth of the organisation & retain profitability.
- Respond to favourable and unfavourable market conditions competitively.
- Provide better service to customers in terms of **QCD**.
- Improve technological, managerial and operational capabilities through building competence in people & creating World Class Workplace.



## LAUNCH OF ACMA - LMW ADVANCE CLUSTER

ACMA-LMW QCD Cluster was successfully completed last year. The participating companies were so happy with improvements made that they decided to continue their improvement journey with ACMA. Thus, ACMA LMW Advanced Cluster was launched on 14<sup>th</sup> June 2019 at Lakshmi Machine Works, Coimbatore.

The launch ceremony started with traditional lamp lighting by Mr. V K Sharma, Head Cluster Program, Mr. Sushil Sharma, Program Mentor and senior management of LMW represented by Mr. T.Sundaram, VP & Mr. Shankar, President. They were joined by senior management of all the eight participating companies.



Traditional Lamp lighting done by ACMA team, LMW top management and all 8 Cluster companies' MDs.



Speaking to the delegates, Mr V K Sharma – Head Cluster Program shared his views on importance of this Advanced cluster programs and the Lean management. He explained 5 Principles of Lean for better understanding of all participants.

LMW President Mr Sankar delivered his speech to all cluster companies about the importance of the Advanced cluster program and the expectation of LMW on Quality/ Cost effective products and on time delivery.

Program Mentor Mr. Sushil Sharma shared his view and on Advanced cluster and the achievement done by few companies and their Performance indicator reports.



## LAUNCH OF ACMA-WIL UPTIME IMPROVEMENT PROJECT

ACMA – Wheels India Limited Uptime improvement project was inaugurated on 25<sup>th</sup> July 2019 on the premises of Wheels India Limited, CV unit, Chennai.

ACMA mentor Mr. Sunil Mutha and Counselor Mr. K R Bhoopalan along with Wheels India Limited team inaugurated the program with a traditional lamp lighting.



The mentor for this project is Mr. Sunil Mutha, principal counsellor, ACMA and Mr.K R Bhoopalan is the counsellor.



**Sunil Mutha, Mentor**



**KR Bhoopalan, Counsellor**

Mr. Sunil Mutha, addressed the Wheels India Team about the importance of this project and the benefits the team will reap after the completion of the project. Some of the benefits of the program are:

- Effective Daily work Management with OEE improvement, waste elimination, PQCDMS improvement and reduction in breakdown of machines.
- Reduction in tool change time, reduction in product change over time, improve product quality, first time right product, tool life improvement.
- In-house Rejection Reduction, Manpower optimization, Productivity Improvement, Customer Complaints Reduction, Reduction in Set Up activities.
- Overall improvement in machine uptime and profitability.

## ZERO DEFECT MANUFACTURING WORKSHOP

Learning and sharing is an important objective of ACMA Pillar – 3, Skilling, Mentoring and Training. To continue with this objective, a workshop was organised on 10<sup>th</sup> June 2019 at Pune, “Zero Defect Manufacturing.” The essence of this program was to appraise the delegates of the participating companies about the importance of Zero-Defect Manufacturing and ways to achieve zero defect manufacturing.

Zero defect manufacturing sounds incredible because in manufacturing arena, Six Sigma level is considered ultimate and even that allows 3.4 defects per million opportunities whereas ACMA is establishing zero defect.

Mr. Dinesh Vedpathak, Head Skilling & Mentoring, Mr. V K Sharma, Head Cluster Program and Mr. Sunil Mutha, Principal Counselor and ZED mentor, shared their vast experience about manufacturing excellence. Mr. Mutha further shared that companies who have systematically worked for achieving zero defect are successful in killing the defects and are still holding the gains made during their transforming journey.



For last five years ACMA is guiding companies to achieve zero defect manufacturing shop floor. The zero defect tools and techniques have helped lot of companies to kill the defects and sustain it also. During the course of workshop two companies – M/s Sanjeev Autoparts Private Limited and M/s Uno Minda Private Limited, shared their journey of achieving zero defect manufacturing.



The participating delegates were highly impressed by the success stories shared by these two companies and they asked them a lot of questions. The members of both Sanjeev Autoparts & Uno Minda very patiently answered all the queries raised by the delegates.

The participating delegates applauded both M/s Sanjeev Autoparts and Uno Minda for their remarkable achievements under guidance of ACMA team. They also thanked ACMA team for organising this eye opening session about Zero Defect manufacturing.



## ACMA-HSEP ADVANCE CLUSTER – MANAGEMENT REVIEW

After six months of rolling out ACMA – HSEP Advance Cluster Program, a management review was done on 10<sup>th</sup> June 2019 in presence of HMCL senior management & ACMA team. Each of the participating company presented the improvements made in the last six months period. The HMCL management appreciated the progress made by the companies and they encouraged them to raise the bar further as the auto components industry will experience a lot of regulatory changes in near future.



For last few years ACMA is actively engaged with OEMs to upgrade their supply chain partners, like Hero Motocorp Limited, SAME tractors, Laxmi Machine Works. The 1<sup>st</sup> HSEP program started in Sep 2017 and the achievements of ACMA HSEP – 1 were remarkable and all the participating companies were immensely benefitted in 12 months of the program.

**The ACMA team comprised of:**



To further strengthen the gains made during 1<sup>st</sup> QCD program, 16 of its supply chain partners, enrolled in ACMA – HSEP Advance Cluster program which primarily focuses on lean manufacturing. This one-year program started in December 2018 with 16 companies with a geographical spread in Haridwar, Ludhiana and national capital region Delhi.

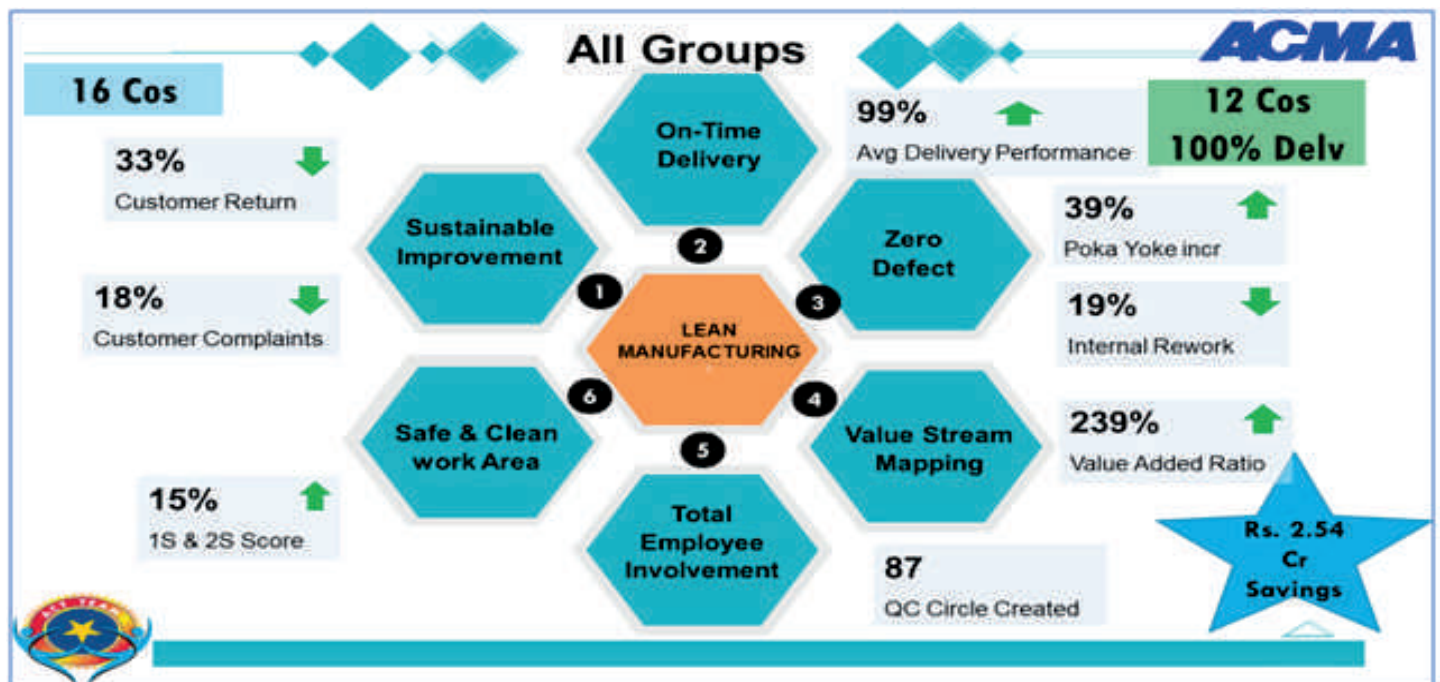
These companies are classified as:

Frame Group - 9 Companies	Chassis Group - 3 companies
Satyam Auto Components Pvt Ltd	Helical Springs Pvt Ltd
Neel Metal Products Ltd.	Alfa Cotec Industries Pvt Ltd
Neel Auto Pvt Ltd	Sunbeam Auto Pvt Limited
Metalman Micro Turners	<b>Engine Group - 2 companies</b>
Lifelong India Pvt. Ltd.	Micro turners
Hema Automotive Pvt. Ltd.	Highway Industries Ltd.
Suraj UdyogPrivate Limited	<b>Denso Group - 2 companies</b>
Amar Auto Tech Pvt Ltd.	Munjal Showa
Qualitech Sheet Turner Component	Blowell Auto Pvt. Ltd

The important topics covered in this program are:

- Total employee involvement for a continuous improvement culture
- Quality Improvement
- Value Stream Mapping (Lean culture)
- Productivity Improvement
- Retraining for a sustenance culture

The summary of the improvements made is as:



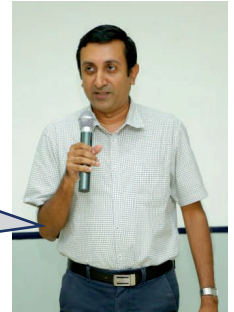
# Culmination ceremony of ACMA NPD Design Cluster 1

ACMA cluster journey started in the year 2001 and since then, the team is writing “Cluster success stories” year after year. 1<sup>st</sup> edition of ACMA New Product Development Design cluster was launched in April 2017. The aim was to improve existing product design system in participating companies and bring maturity in it. This 1<sup>st</sup> edition culminated on 27<sup>th</sup> May 2019.

ACMANPD Design Cluster 1, Mentored by Mr. Selvamani S (Mentor NPD Clusters) and Counseled by Mr. S Narayanan (Expert Cluster Program), comprised of four companies, namely:

- Harita Seating systems Limited, Hosur
- Wheels India Limited, Air suspension division, Chennai
- Wheels India Limited, CV division, Chennai
- Wheels India Limited, Earthmover division, Chennai

*Mr. Srivats Ram graced the ceremony and congratulated all the participating teams on the graduation ceremony of the NPD Design cluster and wished them success and suggested them to practice the learnings, gained during the past 24 months journey.*



Address by  
Mr. Srivats Ram,  
Advisor, Skilling & Mentoring  
MD, Wheels India Limited

The results achieved by the six companies in their twenty-four months journey are summarised in the tables as:

## Improvement in NPD Metrics

	Measure	Average improvement	Best in cluster improvement
Business growth and profitability	New Product Sales perpetuity ratio	88%	174%
	Share of business	89%	235%
	RFQ conversion ratio	89%	167%
	Product cost deviation (negative beneficial)	97%	264%
Quality improvement	Internal quality of New Products	31%	67%
	Design rework	57%	90%
	Sample rework	46%	67%
Lead time reduction	Lead time for samples	62%	82%
	Lead time for SOP	37%	81%

## Business Growth

Cost Saving – Rs. 6.4 crores

NPD sales during cluster period – Rs. 211 crores

	UOM	2019-20 (forecast) *
Sales from new products	Rs. Crores	298
RFQ pipeline	Rs. Crores	162

### Organisational competence Building

Failure modes defined	725
Design guidelines	186
Books of knowledge	30



Mr. Dinesh Vedpathak,  
Head, Skilling & Mentoring

*Mr. Dinesh Vedpathak also congratulated all the participating teams for achieving great results, especially on business aspect and suggested to sustain achieved results.*

The overall feedback given by the four companies, about their experience is 95%.

Score (on a scale of 10)				
Particulars	WIL CV	WIL ASD	WIL EM	HSSL
Counselor Visits	10	10	10	10
Training hours provided	10	10	10	9
Training topics coverage	9	9	9	9
Delivery as per plan	10	9	10	10
Learning from MRMs	10	10	9	9
Learning from cluster company visits	9	10	8	8
Total (Out of 60)	58	58	56	55
% score	97	97	93	92

The culmination ceremony of this event was organised at Chennai. The program was attended by:



Address by  
Mr. Dinesh Vedpathak, Head Skilling & Mentoring



Welcome address by  
Mr. V K Sharma, Head Cluster Program



Mr. V K Sharma,  
Head Cluster Programs

*Mr. V K Sharma appreciated great results achieved by all teams for NPD metrics, cost saving and business aspect. Also, competency development was highlight. He asked all teams to continue doing good work.*

*Mentor Mr. Selvamani congratulated all team members for completing the tough but rewarding journey of 2 year cluster program. He mentioned that this cluster was also a learning for counselling team. He is very happy to see good results achieved by all teams.*



Mr. Selvamani S,  
Mentor NPD Clusters



Mr. S Narayanan,  
Counselor NPD Design Cluster

*Counselor Mr. Narayanan expressed his happiness for great results achieved by all teams. He also summarized all results and asked teams to continue using cluster methodology after end of cluster. This will help in sustaining the gains.*



Unveiling of cluster Culmination Book



Awards distribution ceremony



Group photo of the event

One day Training program was conducted for Honda Supplier Club Members on **Shop Floor excellence through Low Cost Automation**

On 8<sup>th</sup> Aug 2019 the training was conducted at M/s Asahi India Glass Ltd., Bawal. 25 member companies participated in the training program.

Speaking on the occasion Mr. VK Sharma (Head Cluster Program) addressed all the delegate. A brief introduction about various cluster programs including LCA cluster was made by him.

Low Cost Automation focuses on development of engineering and technical competencies in the organization, establishment of affordable automation to improve QCD performance, enhancement of excellence in manufacturing practices and promotion to Innovate in-house.

Some of the advantages offered by the Low Cost Automation are:

- Productivity enhancement
- Consistency in enhanced Productivity
- Quality (Through LCA implementation in Parts Transfer & Logistics)
- Help Operator to think and work freely (Fatigue Elimination)
- Paradigm shift in supervisory role (From Chaser to Improvement Driver)
- Improve OLE (Overall Line Effectiveness) / OCE (Overall Cell Effectiveness)
- Achieve Deskilling
- Achieve Automation with Minimum Cost
- Reduce the Automation Running & Maintenance Cost
- Ease in Technology Infusion
- No Big shift in Maintenance skills required.

On 9<sup>th</sup> Aug 2019 the training was conducted at Pathshala, on the premises of M/s UNO- Minda, Manesar. In this program 25 participating companies sent 60 participants.

**The topics covered during the training program:**

- Automation in Manufacturing
- Karakuri- continuous improvement
- Lean Automation
- Low-cost Automation

The last session of the training program consisted of idea generation workshop on live examples. The training was well appreciated by the participants.

**The training was conducted by ACMA Counselors:**



A V Ramana Murty



Atul Kumar Gupta



## Highlights: UDAY PRIDE PROGRAM 2019

- 8 clusters comprising of 43 companies launched in Pune, Chennai, Madurai, Surendranagar, Rajkot, Ahmedabad, Madurai, Hyderabad, Kolhapur and Pantnagar in first quarter of 2019.
- Launching of cluster with 15 companies of M/s. JK Fenner planned in last week of August 2019.
- Digitization of ongoing business process and data archival using web-based application with access compatibility on mobile devices initiated.
- E-portal:Platform is ready for use. Sample data is being fed to develop and validate the outputs. (<http://www.unidoacma.in/>)
- Exchange of letters for MoU between UNIDO and ACMA.
- Meeting between UNIDO Representative Mr. Rene Van Berkel and Mr. Vinnie Mehta, ACMA Director General, along with team of ACMA Centre of Technology, Pune took place at UNIDO Delhi office on 28 March 2019 to discuss on strengthening the institutional capacity of the Saksham- ACMA Centre of Technology (ACoE), Sonipat by identifying the key areas of efforts/collaboration with UNIDO. UNIDO serves as one of the knowledge partners to ACMA within the framework of this project and beyond.
- 1st Steering Committee Meeting of Project Uday-Pride (UNIDO-DHI-ACMA Yojana- Professionalism, Responsibility & Innovation in Driving Excellence) held on 07 August 2019 at Udyog Bhawan, New Delhi under the Chairmanship of Mr. Pravin Agrawal, Joint Secretary, DHI.



Meeting to Discuss Key Collaboration Areas in ACoE on 28 March 2019



1<sup>st</sup> Review of UDAY PRIDE Program by JS, DHI



Launching Photos of M/s. TML , Pantnagar



Launching Photos of M/s. J K Fenner – Hyderabad



SAKSHAM – ACMA Centre of Excellence (ACoE), situated amidst Rajiv Gandhi Education City – IITD (ITECH TECHNO PARK) Sonipat, imparts world class **Technical & Behavioural skills** enabling automobile industries to provide best in class quality to their customer along with creating a safe and productive work environment. ACMA focus on providing a conducive learning environment for enriched experiential learning, support automobile industries in quality first and safety must environment, facilitating an organisational culture that places organisational goal above individual ones and enabling new product design and development.

### Training Programs conducted

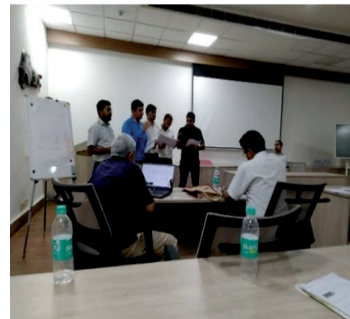
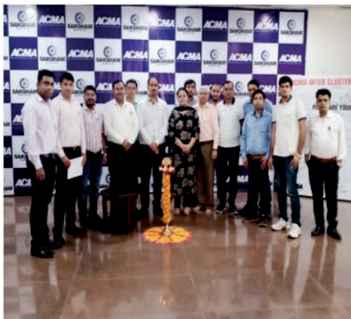
ACoE conducted 3day workshop on **“Mechatronics (Factory Automation)”** from 27<sup>th</sup> to 29<sup>th</sup> June, 2019. Program focused on application of mechatronics in automation that meets the current needs of industries. The workshop was inaugurated lighting of lamp by chief guest, Mr. H.K. Sharma – Plant Head – Metalman Micro Turner (Dharuhera) Mr. Dinesh Vedpathak – Head Pillar-3 (S& M), ACMA , Mr. Ashok Kumar Verma, GM, Minda Group and Mr. Aneesh Kakkar, DGM- Minda Groups, along with faculty Mr. Balakrishna Deshpandey and 23 participants from 15 companies. This three days' workshop kicked off with pre-test, course book study, exercise materials, worksheet analysis and Q&A sessions as well as numerous lab exercises & group projects activities.

### MECHATRONICS WORKSHOP GLIMPSES:



On 3<sup>rd</sup> & 4<sup>th</sup> of July, 2019, two day workshop on **“Workplace Safety”** was conducted. This program helped participants in developing a conceptual clarity on safety management system, proactive identification of potential safety concern in workplace and develop traits to conduct self-audits. Program was conducted ACMA's DuPONT trained Mr. Dinesh Rana. The session was equipped with various real-life scenarios discussion, Q&A session, field inspections, role plays, worksheets exercises and video-based illustrations.

### WORK PLACE SAFETY WORKSHOP GLIMPSES and Faculty- Mr. Dinesh Rana:





## ACoE 1<sup>st</sup> ANNIVERSARY CELEBRATION

In attendance:

Ms. Sharadha Suri Marwah (chief Guest)-  
MD, Subros Ltd.

Mr. Vinnie Mehta- Director General, ACMA  
Mr. Dinesh Vedpathak- Head Skilling &  
Mentoring, ACMA

Ms. Sapana Baravkar- Head ACoE

Mr. Deepak Agarwal, Ms. Raginee Singh,  
Mr. Deepak Jain, Mr. Arun Kumar and  
Mr. Sonu Rawat



## Laboratories in Saksham - ACMA Centre of Excellence -

### Mechatronics Lab:

**Overview:** This lab imparts skill and knowledge on Modular Automation Production Systems by implementing the automation skills achieved from Basics of PLC and SCADA system. Participants are trained on the Modular Production Systems (MPS) which is designed to understand the industrial production process Lab is equipped with training equipment for fluidics lab (pneumatics), advance pneumatic training kit, basics and advance electro pneumatic training kit, servo motor drive training system with linear drive and sensor for object detection.



**Learning and Out Comes at Mechatronics Lab:** Basic Principles of Servo Drive Technology. Using the latest controller and motor technology from the Festo product range, harmonised with software and courseware. The subject of sensors for object detection is covered extensively in the equipment set. The topics in configuration, function, areas of application and the selection of sensors based on the requirements of an application.

MPS® form the basis for general technological training using practical problems from actual operational applications. It provides the perfect platform for analysing, understanding and mastering the interaction of mechanics, pneumatics and electrical engineering, control technology (Open or Closed-loop) and communication interfaces. Since 1991, the modular production system MPS® has been the competition platform for the mechatronics world championships.

Supplementary equipment set to upgrade from Electro Pneumatics, Basic level to Sensor in Pneumatic & PLC, Basic level. The Supplementary Measurement and control in Pneumatics trainer kit is an add on equipment set to upgrade from the Electro Pneumatics, to pneumatic measurement and control kit. Supplementary equipment set to upgrade from Electro Pneumatics, Basic level to Electro pneumatics, Advanced level. Supplementary equipment set to upgrade from Pneumatics, Basic level to Electro pneumatics, Basic level.



### Design Lab:



**Objective:** In order to survive in the competitive world, the contemporary manufacturing organizations have to present their new products to the end users / society / market rapidly and continuously, & they must keep their products with low price complimented with high quality. The implementation of design for auto component manufacturers is key to maximize profit. In particular, decisions during early design stage can have significant impact on reduction in sample part count, manufacturing cost for the product. In short, design is a strategic activity, whether by intention or by default. It influences flexibility of sales strategies, speed of field repair, and efficiency of manufacturing. It may well be responsible for the company's future viability.

## Learning Outcomes:

- Industry requirements and focus
- NPD Process, Delivery & Quality management
- Cost, knowledge and product data management
- Knowledge about required facilities and technical competence
- Leveraging own products or capabilities & co-design with customer
- Selection of projects and understanding way ahead
- Reverse Engineering Methodology
- Packing, packaging, transit and shelf appeal



## 2<sup>nd</sup> CFT Review of ACoE, 19<sup>th</sup> August 2019 at Sonipat

The CFT team members, Mr. N.K. Minda, Immediate Past President, ACMA, Mr. A.K. Taneja, Past President, ACMA, Mr. Shankar Lal Gupta – VP- Manufacturing Excellence, UNO Minda Group & Mr. Rakesh Anand – Advisor, Shriram Pistons & Rings visited ACoE on 19<sup>th</sup> August, 2019.



### Mechatronics Lab

This team has been in existence from the time it was conceptualized that a Centre of Excellence will be set up by ACMA, way back in November 2017. CFT along with secretariats comprising of Mr. Vinnie Mehta, Director General, ACMA, Mr. Dinesh Vedpathak, Head- Skilling & Mentoring, ACMA, Ms. Sapana Baravkar, Head ACMA Centre of Excellence & Mr. Deepak Agarwal, ACMA Centre of Excellence– In-charge builds on the ACoE business plan.



### Design Lab

The first program was held at ACoE in 1<sup>st</sup> week of September 2018. Since then, ACoE has successfully conducted 11 training workshops, imparting skillful knowledge to 275 people from 136 companies.

## ACMA CENTRE OF EXCELLENCE (ACoE) - TRAINING PROGRAM CALENDAR 2019 - 20

Sr. No.	Name of Program	Program scheduled in Month(s)											
		Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
1	Leading High Performance Company	27 -30 Sonipat											
2	Diagnosis Companies performance through Japanese way		20 - 24 Sonipat										
3			27 - 31 Pune										
4	Work place Safety				3-4 Sonipat								
5	Advance Mechatronics (Factory Automation)			27 -29 Sonipat									
6	How to Transform a Component Manufacturing Company from PPM to Zero Defect					21 -22 Sonipat							
7	How to transform a component manufacturing company into design company					19-20 Sonipat	2 days Sonipat	2 days Sonipat	2 days Sonipat	2 days Sonipat	2 days Sonipat	2 days Sonipat	2 days Sonipat
8	Samwad Se SammanTak					23 Sonipat							
9	Awareness Program Cost Reduction in Manufacturing Operations						17-18 Sonipat						
10	Leadership Development Program (LDP)						30 Sep -4 Oct Osaka -Japan						
11	Automotive Business Profitability										14 - 18 UK		
12	Visionary & transformational leadership						19 -20 Sonipat				16- 17 Sonipat		
13	Design Education & Certification (ACMA-SAE INDIA)						23 - 25 Sonipat	9-11 Sonipat	18- 20 Sonipat	18- 20 Sonipat	14 -15 Sonipat	13-14 Sonipat	12-13 Sonipat
14	System Design and Application Engineering								2 Days Sonipat				
15	Impact of EV and Changes in Current Mfg						12 -13 Sonipat						
16	Reverse Engineering							22-23 Sonipat					
17	Zero Defect Certification Program- 2 to 3 Days (Total 18 Days Module)						26 -27 Sonipat	29-30 Sonipat	7-8 Sonipat	11-12 Sonipat	6-7 Sonipat	3-4 Sonipat	18-19 Sonipat
18	3 D modelling						2 days Sonipat						
19	Foundation Cluster Training on Block 1 & 2										2 days Sonipat		
20	Advance Cluster Training on Block 1 & 2										2 days Sonipat		
21	Engineering Cluster Training on Block 1 & 2										2 days Sonipat		
22	ZED Cluster Training on Block 1 & 2										2 days Sonipat		

# ACMA

Automotive Component Manufacturers Associations of India



“Block your Calendar for the most awaited Summit in Auto Component Industry”



## ACMA Technology Summit & Awards 2019 (5<sup>th</sup> Edition)

25<sup>th</sup> and 26<sup>th</sup> November 2019  
Hotel JW Marriott, Senapati Bapat Road, Pune

# EXPLORING NEW FRONTIERS OF TECHNOLOGY

### HOW TO GET ASSOCIATED WITH THE SUMMIT

You can join our Summit in the following ways:

Becoming Sponsor



Becoming Media Partner

Participate in Summit Awards



Participate as Speaker

Participate as Delegate



### BE A PART OF THIS MEGA SUMMIT

Here are a few highlights of the event

- ◆ Witness new technology developments for new generation vehicles
- ◆ Plenary sessions
- ◆ Cross-learning
- ◆ Knowledge networking
- ◆ Keynote addresses by industry experts
- ◆ Transformation sharing by companies
- ◆ Platform to interact with key manufacturing professionals
- ◆ Successful case studies presentations
- ◆ Appreciation/recognition/felicitation
- ◆ Opportunity to meet a large gathering of auto sector professionals under one roof
- ◆ Eminent speakers from worldwide
- ◆ Cultural evening
- ◆ Start-ups and innovation session
- ◆ Influential panel discussion

## WHY TO ATTEND THIS SUMMIT?

- ◆ **Networking opportunity** -- Automotive sector companies, OEMs and component manufacturers, government bodies, leaders from corporates, starts-ups, institutions, associations, universities and award winners
- ◆ **Promotion** – Opportunity to promote your products/services
- ◆ **Mega publicity** -- ACMA's IMPACT magazine, websites and live updates on social media like Facebook, Twitter which reach out to a larger audience
- ◆ **ACMA on digital platform-** www.acma.in and www.digitalact.com are preferred by the auto sector and you can witness this Summit live. (For more details keep visiting both websites )

## BRAND PROMOTION OPPORTUNITIES

The Summit provides a very visible platform to companies/service providers to promote their brand in a large gathering of professionals from the automotive industry. There are various "Brand Promotional Opportunities" during the Summit. Interested companies/service providers may communicate their interest to us in advance. For more details of benefits, please refer to the 'Brand Promotion Opportunities' form from the Summit webpage www.digitalact.com.



## DELEGATE REGISTRATION FEE

The summit fee includes participation in the summit for both days, lunch and tea-coffee during the summit and delegate kit. For summit awards, one complimentary delegate per entry or nomination is permitted for the summit.

### Summit Registration Fee Per Delegate + 18% GST

ACMA Members + ACT / ACMA- UNIDO Cluster companies (Past & Present)	ACMA Non-Members companies / Individual	Academia
INR 5000	INR 6000	INR 1000



## ACMA Awards

The ACMA Awards are one of the most sought-after recognitions in the Indian auto component industry.

These were instituted in 1966 and are presently conferred for excellence in Export, New Product Design & Development, Technology, Manufacturing, Supplier Development, Human Resource, Inclusive Growth – A Make in India Drive, HSE (Health, Safety & Environment) and Unique Initiative. For more details, please click on link [www.acmaawards.com](http://www.acmaawards.com)

The Summit will provide an opportunity to the participants for witnessing the ACMA Awards presentation ceremony and listening to the winners success stories.

## WHO SHOULD JOIN?

- ◆ CEOs, top management, senior executives, practicing engineers, supervisors, associates from the manufacturing and service industries
- ◆ Manufacturing professionals who want to achieve superior performance in today's challenging business environment
- ◆ Business development heads, plant heads and production heads
- ◆ Technical professionals and industry consultants
- ◆ Institutes, university professors and students
- ◆ Other industry and service representatives

## ACMA Short term programs for focused & faster changes

Name of the program	Duration	Counselor Visits	Fees (INR) + taxes as applicable	Benefits of Program
<i>Developing Skills for Value Analysis Management</i>	<i>3 months</i>	<i>10 visits</i>	<i>2 lacs</i>	<ul style="list-style-type: none"> <li>Increasing focus on the aspects of product/services that satisfy customer needs better.</li> <li>The program focuses on cost reduction by eliminating functions that do not address specific advantages to satisfy customer requirements/needs.</li> <li>Highlighting the competitive advantages of the product(s) that are appreciated in the market and make it unique.</li> </ul>
<i>Developing Skills for Initial Production management</i>	<i>3 months</i>	<i>10 visits</i>	<i>2 lacs</i>	<ul style="list-style-type: none"> <li>Minimising parts / component rejection during initial production phase.</li> <li>Facilitate smooth handover of production line for mass production to production department.</li> <li>The improved skills in IPM will improve overall productivity.</li> </ul>
<i>Developing Skills for Cost &amp; Budgeting</i>	<i>6 months</i>	<i>10 visits</i>	<i>2 lacs</i>	<ul style="list-style-type: none"> <li>Inculcate basic financial awareness in the MSME / smaller companies.</li> <li>Generation of monthly financial report (profit/loss statement), indicating financial health of company.</li> <li>Easing of budget making process (like what / how to monitor)</li> <li>Better utilization of company resources, based on available data trends.</li> </ul>
<i>Developing Skills for Quality Circles</i>	<i>6 months</i>	<i>10 visits</i>	<i>2 lacs</i>	<ul style="list-style-type: none"> <li>Total employee involvement in all improvement activities.</li> <li>Develop capability for structured problem-solving methodology with lasting results.</li> <li>Monetary &amp; non-monetary savings to the company.</li> </ul>
<i>ACMA Hospital Clean Garden Green project</i>	<i>6 months</i>	<i>10 visits</i>	<i>2 lacs</i>	<ul style="list-style-type: none"> <li>Safe &amp; clutter free workplace &amp; regular waste disposal.</li> <li>Garden green outskirts &amp; Shinning shop floor.</li> <li>Clean &amp; joyful environment &amp; Visibility improvement.</li> <li>Better inventory management. Improved air circulation and ventilation.</li> </ul>
<i>Storage and Logistics Cluster Program</i>	<i>9 months</i>	<i>12 visits</i>	<i>up to 250 crores turnover – 6 lacs more than 250 crores turnover – 10 lacs</i>	<ul style="list-style-type: none"> <li>Monitoring of stores operations through established KPIs.</li> <li>Good stores layouts and maintenance of all its equipments.</li> <li>Inventory Classification with minimum &amp; maximum order setting.</li> <li>Data recording for all materials (in-bound / outbound / WIP).</li> <li>Designing automation by usage of Bar Code/ RFID.</li> </ul>
<i>New Product Management Cluster Program</i>	<i>12 months</i>	<i>12 visits</i>	<i>up to 250 crores turnover – 6 lacs more than 250 crores turnover – 10 lacs</i>	<ul style="list-style-type: none"> <li>Reduction in internal sample rework and resubmission levels.</li> <li>First time right product. Internal cost reduction.</li> <li>Improved Organizational competence &amp; Improved customer satisfaction.</li> <li>Project delivery lead time reduction.</li> </ul>

For more details contact: Ms. Sangeeta Sharma [✉sangeeta.sharma@acma.in](mailto:sangeeta.sharma@acma.in)

[☎+91-8802848888](tel:+91-8802848888)

## ACMA Cluster Programs starting July to December 2019

Plan to Launch	Name of the program	Duration	Status	Benefits of Program
July 2019	Advance Cluster 14	24 months	Enrolment is on	<ul style="list-style-type: none"> <li>Employee &amp; Customer &amp; Satisfaction &amp; TEI.</li> <li>Designing of Cells / Single piece flow layouts.</li> <li>Improvement in VAR (Value Added Ratio) though VSM implementation.</li> <li>Implementation of 14 Steps of Lean &amp; LowCost Automation.</li> <li>Multi-fold productivity improvements per man.</li> <li>Quality Improvement - Reduction in Customer Complaints / Returns / In-house rejection / Rework.</li> <li>Resource optimization through Advance 5 S.</li> </ul>
September 2019	NPD Design Cluster	24 months	Enrolment is on	<ul style="list-style-type: none"> <li>Controlled product design, development and introduction</li> <li>Smooth transfer of new products to production</li> <li>Consistent product quality pre and post launch</li> <li>Lead time reduction for product development</li> <li>Meeting challenging cost targets and Organizational competence</li> <li>Technology management capabilities and Improved customer satisfaction</li> </ul>
December 2019	Engineering Excellence Cluster 5	24 months	Enrolment is on	<ul style="list-style-type: none"> <li>Green Manufacturing (Includes Waste Management &amp; Control, Revisiting and Optimizing all types of Resources, Carbon footprint)</li> <li>Parts Handling and logistics. (Includes Inventory less Production)</li> <li>Total Lean Manufacturing (includes Flow manufacturing / Lean Machines &amp; accessories / Lean Processes / Lean Fixtures / Quality Proving)</li> <li>Tool Engineering (Includes Tool mapping/ Lean Tooling/ Tooling standards)</li> </ul>
December 2019	Zero Defect Zero Effect Cluster 5	24 months	Enrolment is on	<ul style="list-style-type: none"> <li>Keeping house in order and Introduction to ZED</li> <li>ZED Tools</li> <li>ZERO Effect</li> <li>Develop Employee Skill</li> <li>Delivering Zero Defect Quality and Holding gains</li> </ul>
December 2019	NPD Bridge Cluster	12 months	Enrolment is on	<ul style="list-style-type: none"> <li>Flawless designs with negligible rework</li> <li>High level of customer acceptance</li> <li>Assured manufacturability with Low product cost and On time Delivery</li> <li>Knowledge based learning organization</li> </ul>
December 2019	Foundation Cluster-14	24 months	Enrolment is on	<ul style="list-style-type: none"> <li>Total employee involvement and operator ownership</li> <li>Quality management by in-house rejection reduction, warranty claim reduction, customer complaint reduction and incoming part rejection reduction</li> <li>Inventory management</li> <li>Productivity improvement, WIP reduction &amp; manpower optimization</li> </ul>
December 2019	Advance Cluster 15	24 months	Enrolment is on	<ul style="list-style-type: none"> <li>Employee &amp; Customer &amp; Satisfaction &amp; TEI.</li> <li>Designing of Cells / Single piece flow layouts.</li> <li>Improvement in VAR (Value Added Ratio) though VSM implementation.</li> <li>Implementation of 14 Steps of Lean &amp; LowCost Automation.</li> <li>Multi-fold productivity improvements per man.</li> <li>Quality Improvement - Reduction in Customer Complaints / Returns / In-house rejection / Rework.</li> <li>Resource optimization through Advance 5 S.</li> </ul>

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