

**ACMA**

Automotive Component Manufacturers Association of India

December - January 2020

# AUTONEWS

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***'Auto Expo 2020  
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***Deepak Jain***

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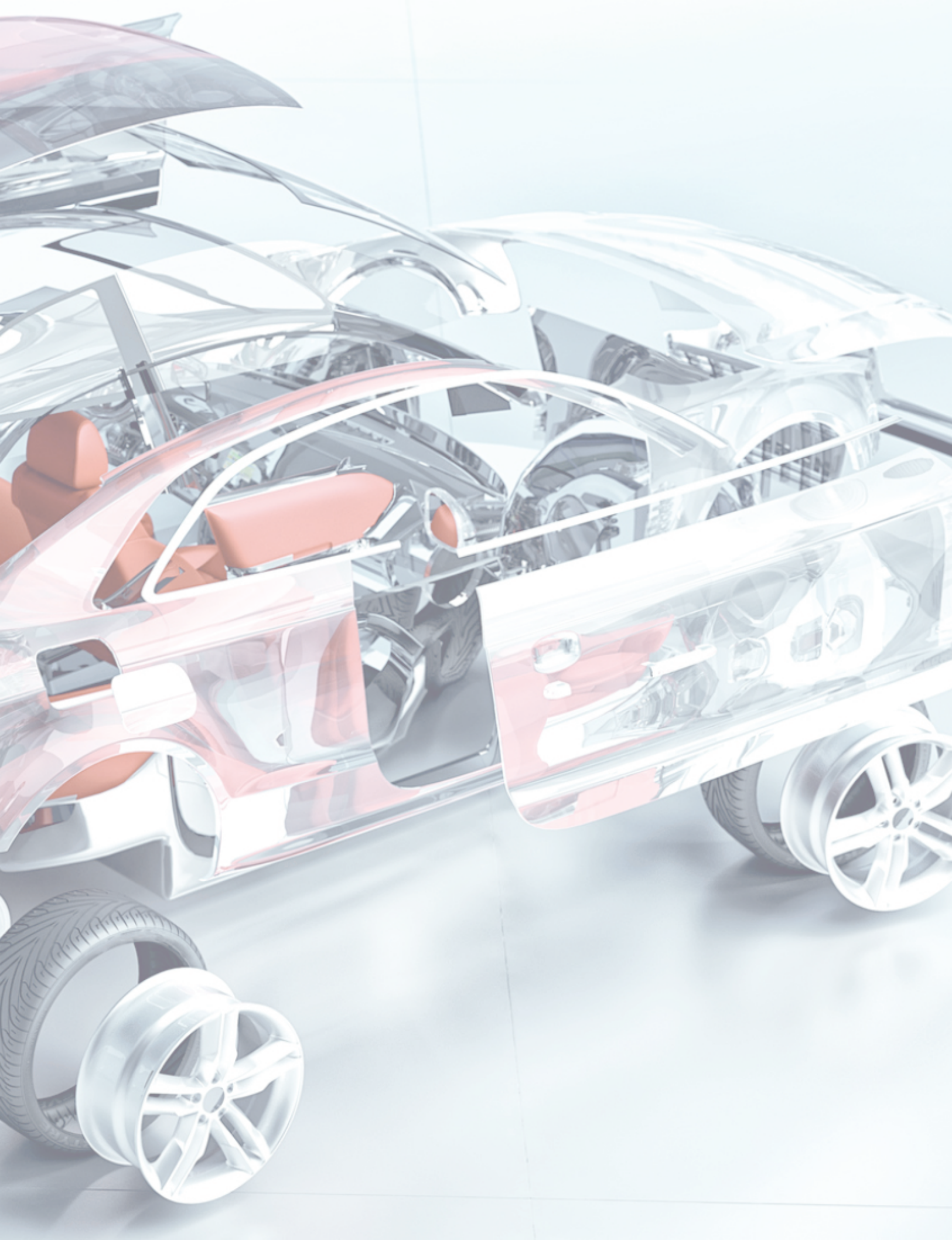
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Inside  
**Auto Expo 2020 Preview**







## EDITORS'S NOTE

This edition of the Auto News journal brings amongst the readers, information on the key industry events, which would lay the foundational road map for the industry in the years to come. In the front line is the 5<sup>th</sup> ACMA Technology Summit, bringing together national & international experts in technologies that are shaping the automotive environment of tomorrow. The summit witnessed incisive sessions on Future of Mobility, Green Mobility, Industry 4.0, Electric Mobility, AI, Block-chain, Design Thinking and Autonomous Driving among others.

The event also hosted ACMA Awards, the most sought-after recognitions in the Indian auto component industry, instituted since 1966. The mega event also witnessed unveiling of ACMA - Frost & Sullivan study on 'Mega Themes of the Future - Opportunities for the Indian Auto Industry'. The study dwells extensively on disruptions being faced by the Indian automotive industry in the form of connected, autonomous, shared and electric (C.A.S.E) technologies.

Internationally, to further the interest of Component Manufactures, ACMA lead a delegation at 'Korea Automotive Industry Exhibition' (KOAA) held in South Korea. It felicitated Business Match Making events for the delegates and led a visit to Korea Industrial Complex Corporation (KICOX) & Tongil Industries Co. Ltd. ACMA, also participated in the 'Automotive Aftermarket Products Expo' (AAPEX) in Las Vegas, US. The India pavilion which was spread across 2400 sq. ft. and was represented by 21 Indian companies.

On the domestic front, among the host of important activities to further the interest of component suppliers and manufacturers, iAutoconnect 2019 - International Reverse Buyers Sellers Meet was held. The event saw participation by over 120 Indian auto component manufacturers and 178 international auto component aftermarket distributors from over 45 countries. The iAutoConnect has fast developed into a global platform that provides great opportunities to the Indian auto component manufacturers to showcase their strengths and capabilities.

Hope, you would enjoy the edition.

**Vinnie Mehta**  
Director General, ACMA  
dg@acma.in

# CONTENTS

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05 Interview - Mr. Deepak Jain, President ACMA

## 1 BUSINESS DEVELOPMENT

08 ACMA participates in AUTOMECHANIKA - SHANGHAI

09 ACMA participates in AUTOTECH, EGYPT

10 Region-Wise Activities

## 2 GOVERNMENT ADVOCACY/ REGULATIONS/ RESEARCH

13 Northern Region Activities

## 3 EDUCATION/SKILLING/ TRAINING MENTORSHIP

13 Region-Wise Activities

26 HR & IR

## 5 FUTURE READY INITIATIVES

28 YBLF (Young Business Leaders Forum)

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Editor: Vinnie Mehta, Director General, ACMA |  
Associate Editor: Upender Singh, Dy Director, ACMA

Editorial Delhi Office:  
Automotive Component Manufacturers Association of India,  
The Capital Court, 6<sup>th</sup> Floor, Olof Palme Marg, Munirka,  
New Delhi - 110 067  
For Advertisement enquiries, contact Upendra Singh,  
upendra.singh@acma.in | 9990125916

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# Deepak Jain: 'Auto Expo 2020 will see a very strong display of BS VI products and lots more.'

The President of the Automotive Components Association of India (ACMA) on how suppliers have assisted OEMs in meeting the stiff BS VI deadline, the resilience of the industry in a downturn, greater collaboration with tech players, digitisation and skilling.

**Do you feel there is enough enthusiasm among component players about the disruptive future and what are going to be the key areas in terms of technology which will see major displays by exhibitors at the show?**

The components industry is a very resilient industry. This is not the first downturn that we are witnessing, it's probably the third or fourth. The Auto Expo 2020 - Components will be all about new technologies. The theme of this year's Components Show is 'Technovation' - Technologies of Future. One thing that will definitely be on showcase is BS VI products because it is something that we, as an industry, are very proud of. The industry as a whole will be meeting the deadline as per our commitment. Apart from that, there are going to be other safety related technologies on display as a significant number of safety features have been mandated by the government. From a technology point of view, we are creating an EV, Start-up and Innovation Pavilion and we expect several companies to display their prowess here. We really want technology companies and auto component manufacturers collaborating so that the industry can be on the upswing of the technology curve. We are very hopeful that this trade show will be a showcase of a whole lot of indigenous technologies.

**Does the Auto Expo bring a vital opportunity for India Component Inc to forge relationships and eye more made-in-India exports?**

Indeed. The Auto Expo is one of the largest trade shows in this part of the world and what is very remarkable is that we have grown more than 25 percent over the last edition. Also, what's worth noting is that the trade show is happening in a downturn year. It is, therefore, very commendable that the entire industry, as a mark of solidarity, has together to showcase our collective strength and capabilities. From an exports perspective, the components industry exports almost a quarter of its production—of the US\$ 57 billion turnover in 2018-19, the industry exported US\$ 15.1 billion. At the Auto Expo - Components Show, we are expecting a significant number of international visitors. We already have more than 2,500 visitors from 45 countries who have registered online.



apart, we have seven country pavilions from Japan, South Korea, UK, Germany, China, Turkey and Canada. In addition, there will be participation from players from 13 more countries. ACMA will also be hosting an IPO forum which will bring together IPOs (international purchase offices) of various multinational OEMs. Exports promotion and forging international relationships will therefore be a key focus of the Auto Expo 2020.

**With shifting dynamics in the industry, do you think that collaboration is going to be the key mantra for the future? Do you see more partnerships getting formed between suppliers (both Indian and foreign) on sustainable mobility solutions?**

Collaboration has been the key for evolution of the auto component industry. Right from the day when Suzuki and Honda came to India, they helped forge relationships between Japanese and Indian component manufacturers. Whether it's a JV or a technical alliance, collaboration is the bedrock of the Indian auto component industry and it will continue to get even stronger as the technical complexities in the vehicles increase and the Indian market grows. Collaboration allows Indian companies to access technologies, while the foreign companies can access the Indian market through their Indian partners, it is therefore a win-win situation for both.

**After BS VI, how do you see the industry preparing for the second phase of CAFE norms set to be implemented in April 2022?**

Transition from BS IV to BS VI has given us a lot of confidence. We at ACMA meet OEM requirements, who, in turn, meet the regulatory needs. It's like teamwork and I have all the faith that together we are capable of rising up to any technological challenge. Having said that, the regulation-formulation must take into account the ground realities as one wouldn't want vehicles to be overregulated, which could lead to more expensive vehicles that, in turn, could impede their sales. We, therefore, need to strike a right balance. Also, there should be a definite roadmap for introduction of regulations as their ad-hoc introduction can throw the industry out of gear.

**Will 2020 mark the onset of mass electrification of vehicle fleets of major OEMs?**

I guess that is something we need to wait and watch. Till date, the component industry has responded well to the needs of the vehicle industry. When we talk about mass adoption of EVs, the only scheme that is available today is the FAME-II scheme and as of now, it looks that the adoption of e-buses is going to happen very rapidly. The uptick, however, in personal mobility segment is expected to take some more time.

**Do you think the Indian components industry is harnessing engineering talent judiciously and coming up with indigenous innovations?**

India is known for its frugal engineering and the huge success that we have in the automotive space, is all because of our engineering skills. Our engineering skills so far have stood us in good stead. However, the automotive industry around the world and in India is undergoing a sort of upheaval. Connected, Maruti Suzuki India, in a joint initiative, has set up 'Dojo centres' at many of its component vendors. Here, workers are trained extensively in a task using models or mock-ups until they perfect it.

Autonomous, Shared and Electric mobility are redefining the automotive landscape. Further, shopfloors are increasingly getting digitised. To remain competitive, we need a supportive ecosystem that will enable creation of skills in the domain of new-age materials, artificial intelligence, robotics, additive manufacturing and machine learning.

**While the Tier 1s have remarkably improved in terms of process maturity and offering best-quality products, what challenges do you see the Tier 2s and Tier 3s facing?**

Tier 1s have performed reasonably well so far. A recent ACMA study reveals that 91 of our members are more than Rs 1,000 crore (in annual turnover). One feels reassured that the industry is scaling up well. However, it is also a fact that the Tier 2s and Tier 3s continue to pose a challenge and need significant handholding including at time on the basic QCD. Smaller companies are also challenged on the technology front and access to capital. Tier 1s will need to do a little bit more in terms of handholding than what they are doing currently. Whilst the industry is witnessing a downturn now, however we need to prepare our Tier 2s and Tier 3s for the growth cycle. We need to make sure that they scale up in time and that the entire value chain remains robust when growth returns.

**What learnings has the industry taken away after introspecting on the ongoing slowdown?**

One thing is clearly evident that the industry is very resilient. Despite a downturn, not a single company has gone out of business. In terms of lessons, this is a great time to look inwards. It is a time to see how to optimise operations, critically analyse our business, focus more on quality and how to become leaner and cut flab because these things often get overlooked in the growth phase as then there is always a pressure of delivery. Another important aspect to focus on is skilling of people – skilling, upskilling and reskilling. We need to analyse the skills portfolio of our people very critically and make sure that they are ready for the next phase of growth cycle. And again, the next growth cycle will be very different as the current downturn is being largely driven by

**“To remain competitive, we need a supportive ecosystem that will enable creation of skills in the domain of new-age materials, AI, robotics, a additive manufacturing and machine learning.”**

technology. We will need to ensure that our people are prepared to meet the tech-driven consumer expectations. Moreover, the third thing that one can look at is seriously analysing the business portfolio for purposes of de-risking. While business portfolio is determined by a company's strength, an ideal portfolio would be one where the company is well represented in the domestic and export markets from a market perspective, and from a customer perspective, there could be a balance between OE and aftermarket customers.

**How is the components industry gearing up to address the anticipated skills shortage in the coming years?**

We have set up the ASDC which is a joint initiative of ACMA, SIAM, FADA and the NSDC. In fact, ASDC is probably the first-of-its-kind sector skills development council which is really successful. We are banking very heavily on it for the right kind of curriculum for next-generation skills, the right kind of training partners to deliver these skills and lastly, the right kind of evaluation system which can verify that the candidates are armed with the right kind of skillset.



# 1

## BUSINESS DEVELOPMENT



# India



## INTERNATIONAL PARTICIPATION

### ACMA PARTICIPATES IN 'AUTOMECHANIKA SHANGHAI'

ACMA, participated in world's renowned aftermarket show 'Automechanika Shanghai' from 3rd to 6th December, 2019. The 15th edition of the show witnessed more than 6,590 exhibitors and recorded highest ever footfall of over 159,728 visitors.

The show witnessed increased international participation across the board. With over 46 countries, present with their companies.

The event showcased, entire automotive ecosystem through vertical and horizontal integration of the entire value chain. The four-day show had activities designed around the fairground and brought exhibition themes on emerging products, services & technology and rising trends to life.

The automotive ecosystem was channelled through the fairground's new zones and fringe programme events in efforts to connect a wider automotive community. As a result, more finance firms, insurance companies, research institutes, talent management experts, start-ups, as well as players across the entire supply chain flocked to the show.

Apart from the participating in the show, ACMA, undertook information dissemination to promote Auto Expo 2020 and update the Chinese and other visitors about the excellent capabilities of the Indian Auto Component Industry.







## ACMA PARTICIPATE IN AUTOTECH, EGYPT

ACMA, in support of Ministry of Commerce & Industry, Gol, participated for the first time in 'AUTOTECH EGYPT 2019' from 13th to 15th December, 2019 in Cairo, EGYPT. The initiative provided a platform to 15 Indian companies to display their product range, during the show.

The India, pavilion was inaugurated by Dr. Vinod Bahade, First Secretary, Mr. Kshitij Tyagi, First Secretary and Mr. Nahas Ali, Third Secretary from Embassy of India. They along with other Indian Embassy officials visited and spent considerable time with Indian exhibitor, to understand the component range and potential of the Indian automotive industry.

The show witnessed participation by 250 exhibitors, of which 133 were Egyptian, while 117 were overseas participants. Overall, 14 countries were present at the show with five dedicated pavilions from Brazil, China, Germany, Turkey & Tunisia.

The participating members from India, confirmed receiving good business enquiries, which are likely to be converted in to business leads. Participants appreciated ACMA's effort and expressed that attending the show has enhanced their presence & visibility in the African market, and also confirmed participation for the next edition of the show.

The opportunity was also utilizing by disseminating information on the capabilities automotive industry of India among the numerous local and global visitors. Also promotion of Auto Expo – Auto Component show, scheduled from 6th – 9th February 2020 & iAutoConnect 2020 from 12th – 13th October, 2020 in India was also done vigorously

# AUTOTECH



## NORTHERN REGION

### WORKSHOP ON xEV OPPORTUNITIES

ACMA, Northern Region, in support of Government of India, organised workshop on 'xEV Opportunities for Auto Component Manufacturers' on 18th December, 2019 at New Delhi. The workshop was held under the mandate of FAME Phase-II scheme, which is aimed at promotion of localisation of xEV components in India, under the Phased Manufacturing Program (PMP).



In the recent past ACMA was approached by several xEV manufacturers, to help them in identify domestic component manufacturers who could support the localization of various products. Likewise, a workshop was organised with the senior representatives of Delta Electronics, JBM, SEG Automotive and Department of Science & Technology.

The event witnessed presentations by the senior representatives of the about the opportunities for the component sector in EV segment. Insight on Battery & charging and R&D projects was also provided by DST along with the Power Electronics.

JBM, a reputed Indian company in the EV segment, gave perspective on the various component of EV Bus that are required to be manufactured locally, to meet the challenge of localization. They further elaborated that localization is required for the critical components like – metal hosing, wiring harness, energy storage, automated guided vehicle and traction motor etc.

Delta, senior representatives talked about on-board portfolio, safety aspects, integrated Power electronics and connectors etc. While representatives spoke about the Motor and the components which could be produced locally for it.

In total 35 participants attended the workshop and excellent feedback was received from the participants.

## SOUTHERN REGION

### ACMA, PARTICIPATES IN SPECIAL DRIVE FOR VENDORS DEVELOPMENT BY ICF

ACMA, Southern Region, participated in the 'Special Vendors Development Drive' by Integral Coach Factory (ICF) Chennai on 11th December, 2019 in Chennai. The objective of the drive was to widen vendor base. Over 16 participants from 12 member companies participated in the drive.



The event was inaugurated by Mr. Rahul Jain, GM, ICF Chennai. In his address, he mentioned that majority of the ICFs vendors are from Northern & Eastern regions. However they wish to diversity their vendors base to procure atleast 57 items by the vendors of other regions.

He further informed about the production capacity of the ICF Chennai, and informed that the total capacity of the ICF Chennai in the year 2019 was 3200 coaches. For the next financial year that are targeting to manufacture at least 4600 coaches.

At the display were the products/parts, which are required to be produced by the vendors. The specifications & drawings of the products was also provided to the visitors and a presentations was made by officials of the ICF on various topics including:

- Vendor Registration
- Bidding
- Safety
- Inspection Procedure
- Payments

In the second half, a visit to factory shop-floor was organized for the participants.

The overall feedback from the participants remained encouraging.

## CONFERENCE ON BUSINESS DE-RISKING THROUGH EXPORTS

ACMA, Southern Region, in its efforts to sensitize the industry on de-risking business strategies, organized a Conference on 'Business De-Risking through Exports' on 19th December, 2019 at Hotel GRT Grand, Chennai. The conference was led by Mr. Ravishankar, JMD, Super Auto Forge Pvt. Ltd.



Inaugurating the Conference Mr. Anil Kumar Unni, Deputy Executive Director & Regional Secretary, ACMA Southern Region mentioned that during these tough times the companies who have diversified their business & exports have insulated themselves from the current slowdown.

Mr. J Sridhar, Zonal Co-Ordinator, Chennai & ACMA & CEO, Magal Engineering Tech Pvt. Ltd welcomed the participants & Speakers, and appreciated the participation in the conference by the Non-Members. He spoke about the strategic importance of exports and gave the industry perspective, on the causes for the current downturn situation and how it has pushed companies to look for de-risking businesses.

Mr. Ravishankar, Conference Chairman & JMD, Super Auto Forge Pvt. Ltd presented overview of the conference and quoted the ACMA figures on the automotive sector, and informed that component exports have contributed around 26% in FY19. The total value of exports in FY19 is USD 15.17 billion & that the potential is



there to double the exports in the next couple of years, he added.

Mr. Gautham Krishna, Manager Purchasing-Global Sourcing, Meritor CVS India Pvt Ltd giving his keynote address presented a brief business portfolio of Meritor CVS India, and informed that we are into Commercial Trucks & Industrial Segments, and make axles, drivelines, braking & suspension systems and supply to medium & heavy-duty truck market. The company also has a huge buying portfolio from various countries and India is a key market for the company.

This conference included had two panel discussion, and was moderated by Mr. S Balaji, Vice president, Sundaram Brake Linings Ltd.

**The first panel discussion topic was -Export Financing & Currency risk management**

**The panellists were as follows:**

- Ms. Resham Mahtani, Regional Head, HDFC Bank
- Mr. Vidya Charan Shukla, General Manager-Finance & Accounts, J K Fenner (India) Ltd
- Mr. Immanuel Peter, Vice President, Brickwork Ratings.
- Mr. R Elankumaran, Chief Regional Manager, The New India Assurance Co. Ltd
- Mr. Hariprasad Rayapalayam, General Counsel & Chief Ethics Officer, WABCO India Ltd

**The Second panel discussion topic was of Logistics & Warehousing, at which the panellists included:**

- Ms. Vanishree Haridasan, Regional Director-South India, Geodis India Pvt. Ltd
- Mr. Nilanjan Chakraborty, General Manager-Marketing, Madras Engineering Industries India Pvt. Ltd.
- Mr. Vincent Franklin- Automotive Head (India), Geodis India Pvt. Ltd
- Mr. Venkatesh Kumar, Head-Sales & Marketing, Harita NTI Ltd
- Mr. Ramesh Ramachandran, GM- Material Planning & Logistics, Hanon Automotive Systems India Pvt. Ltd.

An interactive Q&A session was conducted after every panel where the speakers addressed the queries of the participants which helped the participants to get more clarity on the subject.

# WESTERN REGION

## 11th ANNUAL HR SUMMIT

ACMA, Western Region, in its continuing effort to focus on HR, IR & Skill Development, organised 11th edition of 'Annual HR Summit' on 28th January, 2020 at Pune. The theme of this year's edition was 'Technology as a Strategic Differentiator in HR'.



Speaking at the inaugural session, Chief Guest, Mr. Atul Joshi, Vice President (HR - Automotive Division), Mahindra & Mahindra Ltd. said regulations by Government like BS VI and EV policy, are clear indication of advancement of technology. If one has to survive they need to evolve & accept the changes. Linking the theme with advancement of technology, he said, developing human resource to meet the future need is the key and HR personals would play a very important role in the development of workforce with tech mindset.

The other distinguished guest during the event were Dr. N J Pawar , Vice-Chancellor , D Y Patil University, Pune and Dr. Santosh Bhawe, Mentor- ACMA –HR, IR & Skill Development & Director, HR & IR, Bharat Forge Ltd.

The summit was well attended by the HR professionals, Industry Leaders, Decision makers and Students. The eminent speakers from



the Industry, Academia and IR addressed the participants talked on subjects of HR, IR & Skill Development.

The summit saw three technical sessions including panel discussion covering the key areas of the HR/IR by the Eminent professionals:

Details of the session:

### Technical Session – I

Title: Advancement in HR Technology- Overview

### Speakers :

- Mr. Advait Kurlekar, CEO, Upohan Management Consultants, Pune
- Mr. Pravin Saraf, President, Endurance Technologies Ltd., Pune
- Ms. P H Vijaya Deepti, CEO – Tata Insights and Quants (a division of Tata Industries Limited), Bengaluru

### Technical Session – II

Title: Panel Discussion–“Impact of Technology on Industrial Relations – Overview & solutions”

Session Moderator: Dr. Santosh Bhawe, Mentor, ACMA - HR & IR Committee & Director HR & IR, Bharat Forge Ltd., Pune

### Panel Member :

- Advocate R.M. Nirmal.
- Mr. Ramhari Kute, CGM -HR , SKODA AUTO Volkswagen India Pvt. Ltd., Pune
- Mr. Mahesh Karandikar , GM-ER, Mahindra &Mahindra Ltd., Pune

## 2

GOVT. ADVOCACY  
REGULATIONS /RESEARCH

## NORTHERN REGION

MEETING WITH ADDITIONAL  
COMMISSIONER, VINAYA ASTHANA

ACMA, Northern Region, organised a meeting with Mr. Vinaya Asthana, Additional Commissioner, Government of Uttar Pradesh on 16th January, 2020. The meeting was held to seek representation from the Noida Tax department to submit demand by auto sector to lower tax rates to the Central Government.



ACMA team was led by Mr. V K Jayaswal, Coordinator, ACMA NR



Zone II (Uttar Pradesh & Faridabad), Ms. Meenakshi Narayanan. While Society of Indian Automobile Manufacturers (SIAM) was represented by Mr. K L Gupta, Chief General Manager, Honda Cars India Ltd. And Mr. Saurabh Chatterjee, Divisional Manager, Government & Public Affairs, TATA Motors.

Ms. Narayanan, gave a brief overview of the industry and requested to provide the recommendation with the GST council to ensure that the sector continues to contribute to nation in a constructive manner.

Mr. Vinaya informed that the department would extend all support to send the representation for lowering the GST rates for automotive components.

## 3

EDUCATION/ SKILLING /  
TRAINING/ MENTORSHIP

## EASTERN REGION

WORKSHOP ON PROJECT MANAGEMENT  
FOR MANUFACTURING & EXPORTS

ACMA, Eastern Region, organized two day workshop on 'Project Management for Manufacturing & Exports' from 18th to 19th December, 2019 at Jamshedpur. The objectives of the workshop was to learn Fundamentals of Project Management & how to plan & execute projects on time and how to learn monitor & track projects for successful completion.

While addressing the participants Mr. Ranjot Singh, Co- Chairman, ACMA (ER), said "Project management in recent years has proliferated and has reached new heights of sophistication. It has emerged as a distinct area of management practices to meet the challenges of new economic environment like; globalization process, rapid technological advancement and quality concerns of the stakeholders.



The purpose of this workshop is to provide leaders & team members with practical skills for initiating, planning, tracking, controlling and evaluating any kind or size of project, he further added.

Mr. B. K. Bose, CEO & Chief consultant of AND Consulting with 43 years of work experience was the faculty for the session. He shared key concepts of project management and the attributes of a project



and explained following five process of project management:

1. Definition or Initiation Process
2. Project Planning Process
3. Executing Process
4. Monitoring & Control Process
5. Delivery or Closure Process

Topics which were covered during the session were; Skills & Competency, Attributes of a Successful Team, Stakeholders Needs & Wants, Basic Steps to Project Planning, Business Case & Feasibility, Risk Vs Issues in project management, Project Communication and execution and How to Prevent Project Failure.



Mr. Ranjot Singh, Co- Chairman, ACMA(ER), Mr. Tapas Sahu, Regional Co-ordinator, Jamshedpur and Mr. Sumit Agarwal, Regional council member, ACMA(ER) gave away the certificates to the delegates. Mr. Tapas Sahu proposed vote of thanks.

The workshop was a great success and feedback was excellent.

### IN-HOUSE SESSION ON PPAP

ACMA, Eastern Region, organised in-house session on 'Production Part Approval Process' (PPAP) on 12th December, 2019 at Sudisa Foundry (p) Ltd Jamshedpur.

The objective of the training was to provide a fundamental understanding of the language that guides PPAP efforts, knowledge to complete ppap documentation requirements, improve overall quality of the product & customer satisfaction.



Mr. Subir Ganguly, a Mechanical Engineer from IIT BHU and a former Senior Tata Group Executive was the faculty.

The training enabled the delegates to; understand what PPAP is, why it should be used and when it should be used and to know how & when to complete PPAP documentation requirements.

The Session was attended by 20 delegates from Sudisa Foundry (p) Ltd. Feedback received was good and encouraging. Learning from the presentations was rated as fairly high.

### ONE DAY SESSION ON FMEA

ACMA, Eastern Region, organised one day session on 'Failure Mode Effect Analysis' (FMEA) on 9th January, 2020 at Library Hall, Centre for Excellence, Jamshedpur. The session was organized to update about the changes in the AIAG Ranking table of severity and to enable participants to understand the importance of FMEAs in achieving robust capable designs & processes, how to improve the efficiency & effectiveness.



Mr. Ashish Tripathi, Deputy General Manager, production Engineering, Tata -Cummins Ltd, Jamshedpur took the session as a faculty. He explained that FMEA is a structured approach to discovering potential failure that may exist within the design of a product or process. FMEA is not a substitute for good engineering. Rather, it enhances good engineering by applying the knowledge and experience of a cross functional team (CFT) to review the design progress of a product or process by assessing its risk of failure.

Failure modes, on the other hand, are the ways in which a process can fail. Effects are the ways that these failures can lead to waste, defects, or harmful outcomes for the customers. Failure mode and effects analysis is designed to identify, prioritize and limit these failure modes.

Post session the participants were able to explain the purpose, benefits & objectives of FMEAs, Select cross functional teams to develop FMEAs, Develop & complete FMEA, Review, critique and update existing FMEAs, Manage FMEA follow-up and verification of activities and Develop FMEAs in alignment with AIAG FMEA reference manuals.

The program was rated high in the feedback and a total of twenty-nine delegates from Kolkata and Jamshedpur attended the session.

### ASSESSMENT & CERTIFICATION CEREMONY OF 19<sup>th</sup> BATCH OF 6 SIGMA BLACK BELT

ACMA, Northern Region, held Final Assessment & Certification Ceremony of 19th Batch of Six Sigma Black Belt Certification Program (Level 1) from 12th to 14th December, 2019. The Certification Program of level 1 which was launched on 20th June 2019, conclude with module VI on 14th December, 2019.



Mr. Ram Narayan, was the faculty for the training throughout. He gave intense training which was appreciated by all the participants. He was also regarded by participants as the best faculty, who brought a complete transformation and changed their approach and thinking process.

The faculty visited the shop-floors of the participating companies to validate the potency of the projects undertaken by them on 12th & 13th December. Project presentation and written examination was held on 14th December for the participants. They completed 27 projects, which amounted to a savings of INR. Seven Million.

Certificates were conferred to the participants by Mr. A S Raju , Senior Advisor – Maruti Suzuki India Ltd. He congratulated the participants and urged them to develop vision for excelling and stated that the onus of taking the vision forward should be the aim of each official.

In an address, Ms. Meenakshi Narayanan, Regional Secretary ACMA Northern Region, urged the participants to propagate the training amongst their team members and other colleagues in their organizations.

With the completion of the 19th batch of Six Sigma Black Belt Certification program, Northern Region has reached a figure of 323 Six Sigma Black Belts, who completed 543 projects with a saving of INR. 223 million.

ACMA (NR) will be launching its 20th Batch on April, 2020 and the first module announcement shall be made by issuing an NR member Circular.

### ANNUAL INTERACTION WITH ACMA PRESIDENT & VICE PRESIDENT & INTERACTIVE SESSION WITH MAHINDRA & MAHINDRA

ACMA, Northern Region, organised annual interaction of northern region members with Mr. Deepak Jain, President, ACMA and Mr. Sunjay Kapur, Vice President, ACMA on 19th December, 2019 in New Delhi.





Mr. Deepak Chopra, Chairman, Northern Region welcomed ACMA's leadership and members, and also provided a brief on the activities organised in NR.

Addressing the participants Mr. Jain, thanked all dignitaries and highlighted the importance of creating a strong brand for the Indian Auto Industry and ACMA. He suggested a four-pronged strategy, acronymed RICE (Responsible, Inclusive, Communicative and Engaging) to achieve this target.

The President clearly mentioned that the Auto Component Industry contributes 2.3% to GDP of the Nation and thus all the members should proactively be the brand ambassadors of the industry. He reiterated that in the role of President, he along with Mr. Kapur is going to focus on Communication with all stakeholders for the cause of ACMA (Membership Drive).

Mr. Kapur, addressing the participants mentioned that for the first time Aftermarket Expo in Patna to be held. He informed and encouraged the participants to utilize the subsidized rates for International Programs provided by the Ministry of Commerce & Industry.

Later, in the interactive session, Mahindra & Mahindra Senior Official Mr. Hemant Sikka, appreciated ACMA's role as a catalyst and hard work to keep the growth momentum of the component industry. He expressed his concern over the slowdown of the economy and

provided a comprehensive figure-based economic graph of revival in his presentation.

The interaction was concluded with a Vote of thanks by Ms. Shradha Suri Marwah - Co-Chairperson, ACMA NR. She emphasized Mahindra's belief on Rise and commended M & M growth in India. Ms. Suri concluded by thanking everyone for their whole-hearted support.

## FIRST EVER 5S COMPETITION & AWARENESS SESSION

ACMA, Northern Region, held the first ever 'Awareness Workshop on 5S' on 15th January, 2020 at New Delhi. With vision to enhance the growth of the Component Industry in India, ACMA held the competition to provide an ideal platform for the NR-based companies to showcase best practices and also promote cross-learning opportunity from the best implemented practices.



The '5S' began as part of the Toyota Production System (TPS), a manufacturing method. The system is often referred to as 'Lean manufacturing' in the West, targeting to increase the value of products or services for customers. The system is considered as the foundational part of TPS, because according to its philosophy until the workplace is in a clean and organized state, achieving consistently good results is difficult. A messy and cluttered space can lead to mistakes, slowdowns in production, and even accidents. All of which interrupt operations and negatively impact a company.

ACMA's mission to "Make In India" for the world is taking many pragmatic steps to enhance the Indian Industry, by organizing various skill development workshops & competitions. Such workshops are a part to excel its innovation capacity & capability building measures of the Indian companies to sustain in a changing world.

## 1 DAY SESSION ON STATUTORY COMPLIANCE AND ITS SALIENT FEATURES

ACMA, Northern Region, organised a Training Program on Statutory Compliances and its Salient Features with emphasis on EPF, ESI, CLRA, Gratuity & M P Acts on 17th January, 2020 in New Delhi. The program covered all the applicable statutory compliances, which in fact are welfare measures of Govt. of India.

The objective of the program was; to understand the appropriate





He reiterated that all projects (whether in-bound or out-bound) required proper management. And added that, Ministry of Heavy Industries, aims to increase turnover of exports to USD 30 billion in the near future, hence, there is a immense opportunity for growth.

In total 30 participants from 17 companies attended the workshop.

### IN – HOUSE TRAINING PROGRAM ON 'ADVANCED EXCEL'

ACMA, Northern Region (Uttarakhand), organized two day 'In-House training program on 'Advanced Excel' from 22nd to 23rd January, 2020 at Endurance Technologies Ltd. Uttarakhand. The workshop aimed to train the work-force of member companies on improvising data maintenance.

The faculty for the training was Mr. Pradeep Agrawal, who possess more than one decade of experience in Corporate and Industrial training Sector.

The objective of the program was to; Understand higher functions of Excel, To perform the most advanced calculations & functions, manipulate data using pivot tables and 'advanced' analysis, record macros and integrate with other office applications, Save Time and have better Analytical skills

The faculty covered the following topics during the course of the training which included:-

Key board Shortcuts, Controls, Cell Comments, Naming Cells and Ranges, Advanced Formula's and functions, Recording Macros and Using Visual Basic for Applications (VBA), Optimizing Data and its analysis, Presenting and Reporting, Validating and Updating.

The session was appreciated by all and desired to have further such training session.

### ACMA HELD SAFER DRIVES ROAD SHOW - RUDRAPUR

ACMA, Northern Region, organised Roadshow celebrating the 'Road Safety week' in the Uttarakhand Zone on 30th January, 2020. The event was organised in association with Uttarakhand Police.



Mr. Barinderjit Singh, IPS & SP (Crime & Traffic), Mr. Pramod Kumar, UPS, SP- Crime & Traffic, Mr. PSVS Raju, Sr. VP- Lumax Group (NR Zonal Co-coordinator – Uttarakhand zone), Mr. Uttam Janwal, Sr. Manager- Sansera Engineering Ltd. (HR Zonal Chairman – UK Zone), TATA Motors Ltd. and UK zone ACMA members attended the inauguration of the roadshow.

The Road Safety Week observance has been initiated by the Ministry of Road Transport & Highways, and this year's edition will be celebrated from 3rd to 11th February, 2020.

The mission of the roadshow was to provide an opportunity for public to understand the importance of reducing accidents, promotion of safety and being cautious on roads.

Road Safety can be defined as methods & measures used to prevent road users from getting killed or seriously injured. Typical road users include pedestrians, cyclists, motorists, vehicle passengers, and passengers of on-road public transport (mainly buses and trams).

The major attraction of the roadshow, was the verbal pledge undertaken for road safety, by more than 300 people. The inaugural was attended by most of the ACMAs (NR) members', Plant Heads, HR Heads and Safety Officers.

**The objective of the Roadshow was:**

- To create awareness & promote road safety in schools, colleges and customers
- Minimising injuries & deaths because of road accidents by applying road safety measures
- Encouraging drivers to ensure they will wear seat belts while driving the car
- Awareness of road safety rules, including traffic lights, speed limits, pedestrian rules, etc.

**VISIT TO YAMAHA MOTOR INDIA PVT. LTD.**

ACMA, Northern Region, in a series of interactions for sharing of best practices amongst ACMA member companies, visited India Yamaha Motor Ltd. on 30th January, 2020. The delegation had 21 ACMA members from Northern Region.



Mr. Deepak Chopra, Chairman, ACMA NR on behalf of ACMA, welcomed the delegates and laid bare Yamaha's presence in India, its growth, challenges & opportunities both domestically and globally.

Subsequently, a visit to shop floor was organised, where Mr. Sanjiv Paul, Vice President & Head Manufacturing, Yamaha Motor, welcomed all the participants and provided a detailed presentation

on the best practices followed at Yamaha's Surajpur Plant.

Mr. Paul's comprehensive & thoughtful address, concurrent with the plant visit covered a wide spectrum of subjects like; the state of the Industry, future trends including; E-mobility, Yamaha Monozukri Way with its six pillars, Company philosophy of "Beyond the Limit", Inventory on Wheels, Danger Experience Training, Managers welcoming the employees every morning and extensive use of solar power.

The Participants thoroughly appreciated Yamaha's initiative to invite the delegation to the shop floor and exhibiting its best practices.

ACMA congratulated Yamaha for the initiative and thanked them for their warm hospitality.

## SOUTHERN REGION

### CERTIFICATION PROGRAM IN TAMIL ON DESIGN OF EXPERIMENTS (DoE)

ACMA, Southern Region, organized a Certification Program on Design of Experiments (DoE) in Tamil on 13th December, 2019 at ACMA Office, Chennai.



The faculty for the program was Mr. V Thiagarajan, who has more than 35 years of experience with the automotive industry and aerospace industry.

The training program which was conducted in the local language was based on feedback from members and covered topics like; Introduction to Design of Experiments (DOE), Basic principles of DOE,

Objectives & importance of DOE, Process flow of conducting DOE, Randomization, Replication & Local control, Fractional factorial DOE and Orthogonal arrays for conducting DOE.

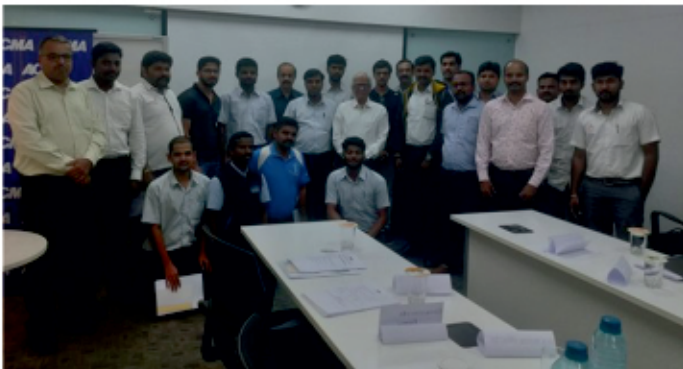


A quiz was also conducted to evaluate the participants understanding on the subject. As this was a certification programme, participants were awarded with certificate.

The program was attended by 24 delegates from 9 companies. The feedback has been very good and members companies have requested for more such program in local language.

## WORKSHOP ON INVENTORY MANAGEMENT

ACMA, Southern Region, Karnataka & Hosur zone organized workshop on Inventory Management on 16th Dec 2019, in Bangalore. This workshop focused on the need for inventory management, its importance and the essential techniques of inventory management.



The faculties for this workshop included, Mr. K S Madhavan-Founder, Shingo Institute of Japanese Management with over 40 years of experience, Mr. B Pravin Rao- Consultant, Shingo Institute of Japanese Management, a mechanical Engineer from University of Madras and Mr Kesavan, a consultant at the Shingo Institute who is an expert in Lean manufacturing and other Japanese techniques.

The faculty focussed on the basics of Inventory Management and included examples and case studies to help in understanding the concepts better.

20 participants from member companies who joined the workshop felt that it was very informative and rated the program as good.

## 11th REGIONAL KAIZEN CONTEST

ACMA, Southern Region, organised 11th edition of Kaizen Contest on 21st December, 2019 in Chennai. Altogether 49 Kaizens were presented in the categories like Productivity, Quality, Cost, Delivery and Safety.



Addressing the participants, Mr. Anil Kumar Unni, Regional Secretary, ACMA Southern Region, thanked the management of the participating companies for having believed in the ACMA movement to promote the Kaizen culture in the industry. The participation has been low when compared to previous years due to the market conditions, however it was encouraging to see more participation from SSI companies, he added.



Mr. Sankar, addressing the participants mentioned that even the slightest improvements by the employees could make a huge difference to the company's motto of customer satisfaction. He shared a motivational video with the participants. Giving the impressions of the Juries at the Valedictory & Awards Session, Mr. Kannan, mentioned that it was very refreshing and he himself learnt a lot from the day's presentations.

While, Mr. Kumar, mentioned that it was enlightening to see all presentations. Where he asked the participants to make their presentations crisp, always look for the root cause, focus on the methods been used & focus not only look for cost saving but also the value. Three winners from each category were announced & awarded based on the jury scores.

The results of the contest were as under:

**CATEGORY- SSI:**

Place	Company	Theme
1 <sup>st</sup>	Besmak Components Pvt Ltd	Mould Safety
2 <sup>nd</sup>	Besmak Components Pvt Ltd	Productivity Improvement
3 <sup>rd</sup>	Shree Polymer Products	To eliminate variation in process & To reduce rejection due to curing issues

**CATEGORY: PRODUCTIVITY**

Place	Company	Theme
1 <sup>st</sup>	IP Rings Ltd	Cycle time reduction in bottleneck process
2 <sup>nd</sup>	Advik Hi-Tech Pvt Ltd.	To Improve Productivity in A659 Cover Machine Cell
3 <sup>rd</sup>	Pricol Ltd.	Machine Idle Time Reduction & Rejection Reduction

**CATEGORY: QUALITY**

Place	Company	Theme
1 <sup>st</sup>	Advik Hi-Tech Pvt Ltd	Quality Improvement
2 <sup>nd</sup>	Turbo Energy Pvt Ltd	To eliminate overall height variation scarp through in-build process control
3 <sup>rd</sup>	J K Fenner (India) Ltd	To prevent rotor seating depth taper by 0.060mm (Spec 12+0.02+0.05 Actual 11.995/ 12.055) in A657 Oil



He further expressed that Cost controls through waste elimination and motivating employees to perform better are a constant effort for any company, especially in the tougher times of a slow-down. "KAIZEN" does both effectively and has proved this in Automotive industry.

The eminent Juries for the 11th Edition of Kaizen Contest included Mr. Pawan Kumar, DGM, Isuzu Engineering Business Center India Pvt. Ltd., Mr. S S Shankar, Head – Quality Assurance, TAFE and Mr. Venkatasa Kannan, GM, Hyundai Motors India Ltd.

**CATEGORY: COST**

Place	Company	Theme
1 <sup>st</sup>	Rane TRW Steering Systems Pvt Ltd	To improve delivery performance of SPR 4.1 Line
2 <sup>nd</sup>	Wheels India Ltd., Padi	To achieve scheduled delivery in Servion Frame side plate machining by increasing the productivity
3 <sup>rd</sup>	Madras Engineering Industries Pvt. Ltd.	To improve delivery in MSA Machining cell to our internal customer assembly cell from 80% to 100%

**CATEGORY: SAFETY**

Place	Company	Theme
1 <sup>st</sup>	Madras Engineering Industries Pvt. Ltd.	To eliminate unsafe condition during pinion assembly due to pawl pin & pawl spring jump out
	Borgwarner Morse Systems India Pvt Ltd	To prevent the unsafe act in press machines top side trouble shooting time
3 <sup>rd</sup>	WABCO India Ltd.	Eliminating usage condition during reverse condition

**QUIZ PROGRAMME ON TPM**

ACMA, Southern Region, in a sustained effort creates new platforms for learning & information sharing on industrial concepts, organized a Quiz Competition on 07th January, 2020 at ACMA office, Bangalore. The quiz was based on TPM and a total of 6 teams consisting 12 participants participated in the competition.



The Quiz master was Mr. Pravin Rao, Principal consultant with Shingo Institute of Japanese Management at Bangalore.

The Quiz included a written test, which was a combination of objective type and short answers. Followed by verbal quiz rounds rapid fire and round robin.

A total of 2 rounds of round robin and 4 questions for each team in the rapid fire was planned with interesting questions pertaining to TPM, 8 Pillars of TPM, OEE and Six Big losses. The scoring was done live to ensure transparency.

During the valedictory Ms. Neeraja Raj, Director thanked the Company management for sending their employees in spite of the current market situation.

All the participating teams were given participation certificates. The winners were awarded with winner certificate & gifts.

**The winning team includes:**

1 <sup>st</sup> Position	SJS Enterprises Pvt Ltd
2 <sup>nd</sup> Position	SJS Enterprises Pvt Ltd
3 <sup>rd</sup> Position	Carclo Technical Plastics Pvt Ltd

**CERTIFICATION PROGRAM IN TAMIL ON 8D PROBLEM SOLVING TECHNIQUES**

ACMA, Southern Region, organized Certification Program on 8D Problem Solving Techniques in Tamil on 24th January, 2020 at ACMA Office, Chennai.

The faculty for the program was Mr. V Thiagarajan, with more than 35 years of experience with the automotive industry and aerospace sector, The training program covered the topics like; Introduction and history of 8D problem solving technique, Disciplines of 8D problem solving technique, Problem / Failure, Interim Containment Action (ICA), Root Causes, Permanent Corrective Actions (PCA), Implement and Validate PCA, System Prevention Actions to Prevent Recurrence and Problem solving tools employed in Discipline 4.

Before every topic the delegates were given a Pre training test and at the end of the topic a Post training test, and their averages were calculated. The Pre-test had an average score of 4 out of 10 while the Post-test had an average of 8 out of 10, which was very encouraging.

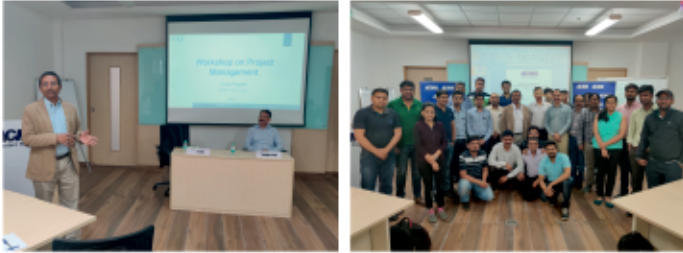
The program was attended by 5 delegates from 3 companies, and were awarded with certificate. Also the training was conducted in Tamil with the use of interactive activities and case studies.

The feedback received stayed encouraging, with members companies requesting for more such programs in local language.

# WESTERN REGION

## TWO DAY WORKSHOP ON PROJECT MANAGEMENT FOR MANUFACTURING & EXPORTS

ACMA, Western Region, organized two day workshop on 'Project Management for Manufacturing & Exports' on 6th & 7th December 2019 at ACMA Office, Pune. The workshop was held in view of increasing competition among the manufacturing countries and increasing demand for efficient Project Managers.



Mr. B.K. Bose, CEO & Chief Consultant of AND consulting was the faculty for the workshop. He explained the fundamentals of project management and described the definition of project unique processes, consisting of a set of coordinated & controlled activities from start to finish.

### He further explained the responsibility of Project Manager as follows:

- Ultimately responsible for the Project's Success
- Ensure customer and management expectations are understood and used to focus on the project
- Plan effectively to achieve project objectives
- Focuses on the project's end
- Ensure that work is executed according to plan and Communicate

Project Monitoring & Control process oversees all the tasks and metrics necessary to ensure that the approved and authorized project is within scope, on time, and on budget. This process involves comparing actual performance with planned performance and taking corrective action to yield the desired outcome, when significant differences exist. This process is continuously performed throughout the life of the project, he added.

The Workshop was appreciated by participants and the feedback was encouraging.

## SESSION ON 'MANAGING THE AUTOMOTIVE DOWNTURN EFFECTIVELY'

ACMA, Western Region, organized session on 'Managing the Automotive Downturn Effectively' on 13th December, 2019 at ACMA Pune Office. The session was held keeping in view the domestic & global challenges and growth prospects of auto component manufacturers.

Mr. Kaustav Sen, Partner, Management Consulting, KPMG took the session. He focused on the key areas like:

- Capability management
- Capacity management
- Cost Management
- Cash working Capital management
- Cash conservation for downturn
- Protect / invest in core skill

The session was specifically designed for the higher management like CEOs and HODs. The well attended session was appreciated by all and good feedback was received from the participants.

## 10<sup>th</sup> ANNUAL REGIONAL KAIZEN COMPETITION

ACMA, Western Region, organized 10th edition of Annual Regional Kaizen Competition in Pune on 17th December, 2019. The motive behind organizing the Kaizen competition was to encourage and appreciate all the employees, who have done improvement in their respective companies, through the application of Kaizens.

Member companies from western region were invited to present the Case Studies in the fields of; Productivity, Quality, Cost, Delivery and Safety.

The Chief Guest of the event was Mr. Dinesh Joshi, Head – Materials Technology, Skoda Auto Volkswagen India Pvt. Ltd., Pune. He addressed the participants and was amazed to see 89 Kaizen teams at the event. He also stated that, we should encourage our self and use such platform for new & innovative ideas.



The jury members included the stalwarts from OEMs like; Mr. Hemant Kulkarni, Bajaj Auto Ltd, Mr. Amit Raval, CNH, Mr. Rajeev Dua, FIAT India, Mr. Nitin Afajalpurkar, John Deere India, Mr. Atul Patil, Mahindra Vehicles, Mr. Umesh Mundhe, Tata Motors and Ms. Rashmi Dalal, Skoda Auto Volkswagen India.

The competition saw 89 presentations on improvements carried by member companies in their respective plants in Western Region. Following teams were announced winners:

### Winners:

Position	Team	Company
1 <sup>st</sup>	Harsha Champions	Harsha Engineers Ltd., Ahmedabad
2 <sup>nd</sup>	Gabriel Innovators	Gabriel India Ltd., Pune
3 <sup>rd</sup>	Lakshaya	Varroc Engineering Ltd., Plant VI, Pune

**Runner Up:**

Position	Team	Company
1 <sup>st</sup>	Impacters	HUF India Pvt. Ltd., Chakan
2 <sup>nd</sup>	Quantum Leap	PRS Permaceel Pvt. Ltd., Mumbai
3 <sup>rd</sup>	Ambition	Lumax Auto Technologies Ltd., Aurangabad

**Best Turn Around:**

Position	Team	Company
1 <sup>st</sup>	Eaton Nashik	Eaton Industrial Systems Pvt. Ltd., Nashik
2 <sup>nd</sup>	KSPG 1	KSPG Automotive India Pvt. Ltd., Pune
3 <sup>rd</sup>	Sankalp	Metalman Auto Pvt. Ltd., Aurangabad

**Productivity:**

Position	Team	Company
1 <sup>st</sup>	Schaeffnocrats	Schaeffler India Ltd., Pune
2 <sup>nd</sup>	Yukti	Mutual Automotive Pvt. Ltd., Pune
3 <sup>rd</sup>	Poly Green Stars	Polyplastics Industries (I) Pvt. Ltd., Pune

**Safety:**

Position	Team	Company
1 <sup>st</sup>	Sunrisers	Tata Autocomp Hendrickson Suspensions Pvt. Ltd.
2 <sup>nd</sup>	Apex	Endurance Technologies Ltd., Aurangabad
3 <sup>rd</sup>	Banjo Challengers	AAM India Manufacturers Corporation Pvt. Ltd., Ahmednagar

**Cost:**

Position	Team	Company
1 <sup>st</sup>	Mind Benders	Ring Plus Aqua Ltd., Nashik
2 <sup>nd</sup>	Drushty	Varroc Polymers Ltd., Pune
3 <sup>rd</sup>	Udaan	Bharat Forge Ltd., Pune

**Delivery:**

Position	Team	Company
1 <sup>st</sup>	Goldy Kaizen Team	Goldy Precision Stampings Pvt. Ltd., Nashik
2 <sup>nd</sup>	Shodh	Bosch Chasis Systems India Pvt. Ltd., Pune
3 <sup>rd</sup>	Roaring Lion	Badve Engineering Ltd., Khalumbre

**3<sup>rd</sup> ANNUAL INDOOR GAMES COMPETITION**

ACMA, Western Region, organized 3rd edition of Indoor Games Competition on 12th January, 2020 at Pune. The competition was organised for games like; Carrom, Chess, Badminton and Table tennis.

The games were held to strengthen the bonding among members, colleagues and peer group. Overwhelming response from members companies was received and over 220 players participated in the different games.

The participating companies included; Bharat Forge, Mahle Behr, A Raymond Fastners, Minda Industries, GKN, Knorr-Bremse Systems, Indo Shottle Auto Parts, Flash Electronics India and Bosch Chassis etc.

**Following were declared Winners:**

**Badminton Women's Single Category:**

<b>Winner</b>	Ms. Indrani Wishwakarma	Teksons Pvt. Ltd., Mumbai
<b>Runner-up</b>	Ms. Sunita Dashauni	Teksons Pvt. Ltd., Mumbai
<b>2<sup>nd</sup> Runner-up</b>	Ms. Sneha Porje	Grupo Antolin India Pvt. Ltd., Pune

**Badminton Men's Single Category:**

<b>Winner</b>	Mr. Yogesh Gunjal	Grupo Antolin India Private Limited
<b>Runner-up</b>	Mr. Sarvesh Joshi	Grupo Antolin India Private Limited
<b>2<sup>nd</sup> Runner-up</b>	Mr. Vinayak Mirashi	Tata Toyo Radiator Ltd., Pune

**Table Tennis:**

<b>Winner</b>	Mr. Nitin Apte	Fleetguard Filters Pvt. Ltd., Pune
<b>Runner-up</b>	Mr. Sagar Kashilkar	Plastic Omnium Auto Exteriors (India) Pvt. Ltd.
<b>2<sup>nd</sup> Runner-up</b>	Mr. Hrishikesh Gandhi	KSPG Automotive India Pvt. Ltd., Pune

**Carrom Men's Single Category:**

<b>Winner</b>	Mr. N B Salvi	Bharat Forge Ltd., Pune
<b>Runner-up</b>	Mr. S S Upare	Bharat Forge Ltd., Pune
<b>2<sup>nd</sup> Runner-up</b>	Mr. Rahul Londhe	Bharat Forge Ltd., Pune

**Carrom Women's Single Category:**

<b>Winner</b>	Ms. Akshada Butala	Knorr-Bremse Systems for Commercial Vehicles India Pvt. Ltd.
<b>Runner-up</b>	Ms. Indrani Wishwakarma	Teksons Pvt. Ltd., Mumbai



**Chess:**

<b>Winner</b>	Mr. Omprakash Soni	Tata Toyo Radiator Ltd., Pune
<b>Runner-up</b>	Mr. Saurabh Borse	Flash Electronics (I) Pvt. Ltd., Pune
<b>2<sup>nd</sup> Runner-up</b>	Mr. Samarth Raut	Hirschvogel Components India Pvt. Ltd., Pune

**2 DAY WORKSHOP ON 'CYCLE TIME & COST REDUCTION'**

ACMA, Western Region, organized the two day long workshop on 'Cycle Time & Cost Reduction, through Process Optimization using Variable Search Methodology' on 16th to 17th January, 2020 in Pune.



The motive behind organizing the workshop was to introduce a platform, where one can impart knowledge & skills, in Optimizing process parameters, to reduce cycle time and cost without affecting the product quality parameters.



**Mr. Ram Narayan**, a Mechanical Engineer & Post Graduate Diploma in Business Administration was the faculty for the session. He discussed and taught various aspects like:

**On Day 1:**

Introduction to phases of Variable Search methodology

- Step -1 Planning

Selection of Process, Theme and Design Parameters for Process Optimization. Identifying the levels and responses for monitoring

- Step -2 – Analysis

Data collection and calculation of D/d ratio and conclusions. Live application using Catapult. Finding out the Significant and Non-significant parameters using Graph. Live application using Catapult

- Exercise on the 1st two steps

**On Day 2:**

- Step – 2 – Analysis – Factorial Analysis

Making Factorial table on the significant parameters found.

Factorial analysis and identifying the Math model using Minitab for the significant parameters. Identification of Optimal setting for reducing Cycle time or Cost. Live application using Catapult

- Step -3 – Improve

Implementing the Optimal setting after Validation. Live application using Catapult

- Exercise on the entire tool from first step till the last step



**HR & IR** 

## खेलकूद – 5th INDOOR GAMES COMPETITION

ACMA, Northern Region, HR Forum, organized खेलकूद – 5th Indoor Games Competition on 4th December, 2019 in Gurugram. The competition was organised to foment the bonding of togetherness among the participating of various companies.

The games was inaugurated by Mr. Sultan Singh, AVP Quality, Maruti Suzuki India Ltd. A total 195 players participated in games like; Badminton, Carrom, Chess and Table Tennis.





Badminton witnessed the highest participants 86, followed by 41 in Chess, 38 in Carrom and 24 in Table Tennis respectively.

The details of the winners are as follows:

**Category Badminton - Women**

Position	Team	Company
1 <sup>st</sup>	Ms. Anupam	Musashi Auto Parts India Pvt. Ltd.
2 <sup>nd</sup>	Ms. Jyoti	Musashi Auto Parts India Pvt. Ltd.
3 <sup>rd</sup>	Ms. Neha Rao	Roop Automotives Ld.

**Category Badminton - Men:**

Position	Team	Company
1 <sup>st</sup>	Mr. Puneet Sharma	Roop Automotives Ltd.
2 <sup>nd</sup>	Mr. Deepak Malik	Roop Polymers Ltd.
3 <sup>rd</sup>	Mr. Naveen Taneja	Machino Plastics Ltd.

**Category Carrom:**

Position	Team	Company
1 <sup>st</sup>	Mr. Manish Adhikari	Musashi Auto Parts India Pvt. Ltd.
2 <sup>nd</sup>	Mr. Rahul Rawat	Sata Vikas India Pvt. Ltd.
3 <sup>rd</sup>	Mr. M. Naganur	Subros Ltd. - Noida

**Category Chess:**

Position	Team	Company
1 <sup>st</sup>	Mr. Abhishek Kumar	Shriram Pistons & Rings Ltd.
2 <sup>nd</sup>	Mr. Saurabh Sood	Continental Automotive Components (India) Pvt. Ltd.
3 <sup>rd</sup>	Mr. Ritwik Raman	Ecocat India Pvt. Ltd.

**Category Table Tennis:**

Position	Team	Company
1 <sup>st</sup>	Mr. Suneet Singh	Continental Automotive Brake Systems (I) Pvt. Ltd.
2 <sup>nd</sup>	Mr. Mukesh Sharma	Sriram Pistons & Rings Ltd.
3 <sup>rd</sup>	Mr. Harish Bisht	Subros Ltd. - Manesar

The initiative was appreciated by all, and there was general perception to have the games organised again.



# 5 FUTURE READY INITIATIVE

## Young Business Leaders Forum (YBLF)

### YBLF MISSION TO ISRAEL

ACMA, Young Business Leaders Forum, in an initiative to explore the Israel's Start-up ecosystem and strengthen the existing linkages, visited Isreal from 15th to 19th December, 2019. The 14 member YBLF delegation was led by Mr. Nirmal K Minda, Chief Mentor of YBLF & Past President ACMA.



The objectives of the mission was interact with Start-Ups, explore avenues of technology transfer, explore possibilities for JV, visit Universities and visit Israel's aerospace sector to explore business opportunities.

Some of the prominent companies which were visited by the young leaders are; Manufacturers Association of Israel and Israel Export Institute, The Israel Export & International Cooperation Institute, Start Up Nation Central (SNC), Mofet Etzion, Technion – Israel Institute of Technology, TIPA Compostable Packaging, Maniv Mobility, UnBox Innovation & Entrepreneurship Center, Bar Ilan University, ERM Electronic Systems LTD, Meeting with 3D Printing companies: Castor, Nanofabrica, Massivit 3D, Israel Innovation Authority, ThermoSiv Technologies, C2a Security, Mobileye, Industrial Cooperation Authority and WaterGen.



The visit helped young leaders understand the start-up ecosystem of the Isreal and took key learnings from the mission. Some of the interesting observations were; Isreal is a land of start-ups & innovation, because it is a land of many problems. The problems are viewed as opportunities to create solutions.



All big OEMs have opened R&D Centre in Israel, the failure is accepted with integrity and is the substance which is the most important step for the success. The culture of innovation is deep rooted in the compulsory training and service which each citizen have to go after the graduation in the world most technology savvy military, People are exposed to world most technologically advance system & after the services they try to deploy them in civil applications, key ingredient to develop culture for innovation is the ability of take risks (not be afraid to fail as long as you learn from the failure).

The feedback received from members remained encouraging and the mission was viewed by the participants as an eye opening experience.



## VISIT TO PADMINI VNA & INTERACTION WITH MR. KABIR BHANDARI

ACMA, Young Business Leaders Forum (YBLF), visited Padmini VNA Mechatronics and interacted with Mr. Kabir Bhandari, Managing Director, Padmini VNA Mechatronics on 24th January, 2020 in Gurugram. The purpose of the visit was to summarize a comprehensive quality study by YBLF representatives and to get a closer look at the automotive industry

Mr. Bhandari, took the delegates on a tour of Padmini's manufacturing plant, to help delegates understand automotive industry, identify potential areas of expertise in the overall organizational function and provide greater clarity about key management concepts of industry operations.

An interactive session with Mr. Bhandari, was also held, where he shared the success story of Padmini VNA and his experiences about the challenges which he faced during his journey. He shared insight about the approach he took after every set back.

This session was aimed to augment the motivation of young business leaders, who are concerned for their professional survival. The delegates found the interaction empowering and help them in strengthening their interpersonal skills.

The delegates found the talks motivational, which would help strengthening their development & inter-personal skills.



# MEMBERS ROOM

## **NORTHERN REGION Ordinary Membership**

**CLH Gaseous Fuel Applications  
Pvt. Ltd.**  
Shyam Udyog Parisar, Alier  
Bhangrola Road,  
Manesar, Gurugram,  
Haryana-122505

SSI/Large & Medium/Etc.: SSI  
Products Manufactured:  
CNG Kits, Fire Detection Alarm  
System, Tubes & Fittings, Fuel  
Rail.

**Delta Electronics India Private  
Limited**  
Plot No. 38, Phase 1, Sector-5,  
SIDCUL Industrial Area Road,  
Udham Singh Nagar,  
Rudrapur,  
Uttarakhand-263153

SSI/Large & Medium/Etc.: Large  
Products Manufactured:  
Electric Vehicle Chargers.

## **WESTERN REGION Affiliate Membership**

**Audyogik Shikshan Mandal**  
MIDC, Block "C" Chinchwad,  
Pune – 411019, Maharashtra

SSI/Large & Medium/Etc.: NA  
Products Manufactured: Trust  
Certification to ISO 9000 & QS  
9000: NA



**TO ALL NEW MEMBERS**

space for  
advt

