

**ACMA**

Automotive Component  
Manufacturers Association of India

# FUTURE OF MOBILITY

# EMBRACING THE DISCONTINUITY



ANNUAL REPORT  
2018-19



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# Future of Mobility Embracing the Discontinuity

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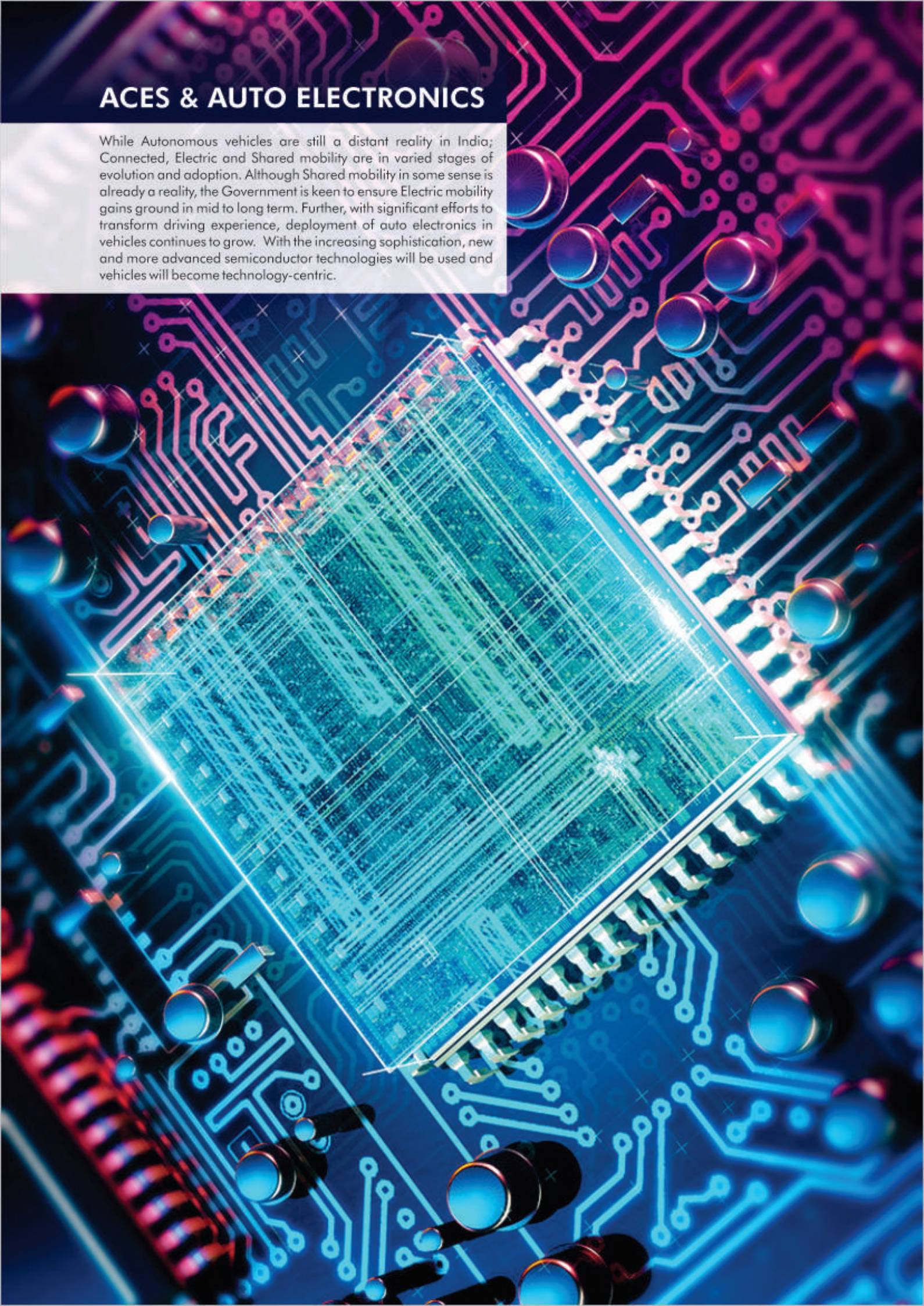
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List of  
Members



## ACES & AUTO ELECTRONICS

While Autonomous vehicles are still a distant reality in India; Connected, Electric and Shared mobility are in varied stages of evolution and adoption. Although Shared mobility in some sense is already a reality, the Government is keen to ensure Electric mobility gains ground in mid to long term. Further, with significant efforts to transform driving experience, deployment of auto electronics in vehicles continues to grow. With the increasing sophistication, new and more advanced semiconductor technologies will be used and vehicles will become technology-centric.





## President's Message

Dear Friends,

2018-19 has been probably one of the most challenging years in the history of the automotive industry in India. Vehicle sales started to witness de-growth onwards of the second-half of the year and the trend continued unabated much into the first half of 2019-20. The situation was made even more difficult as the industry grappled with transitioning from BSIV to BSVI as also becoming complainant with several of safety, emission and environmental norms. Added to this has been the uncertain timelines for migrating to electric mobility, especially for two and three wheelers.

It has clearly been a phase that has warranted for a collective approach by the auto component industry to strategize and to deal with such an unprecedented situation; I am glad that the industry is doing it so effectively through ACMA. I consider myself privileged to have the opportunity to lead the association at such a critical and defining juncture. I take this opportunity to thank all members, associates, government functionaries, knowledge experts and the ACMA secretariat for the overwhelming support extended to me in effectively executing our collective agenda during 2018-19.

### The Industry Backdrop

The Indian automotive industry registered healthy growth in the first-half of 2018-19, however, unfortunately, the second half witnessed significant slowdown. According to data released by the Society for Indian Automobile Manufacturing (SIAM), India produced over 30 million vehicles in 2018-19, a growth of 6.3% over the preceding financial year.

The component industry, in tandem, posted a some-what subdued performance with growth of 14.5% over the previous fiscal, registering a turnover of Rs. 3,95,902 crore (USD 57 billion). Auto Component exports grew by 17.1 per cent in FY 2018-19 to Rs.106,048 crore (USD 15.16 billion) with encouraging performance in all geographies; Europe with 33% and US with 29% share of India's component export continued to be our predominant overseas markets. With increasing vehicle parc in the country, the aftermarket in 2018-19 grew by 9.6 per cent to Rs 67,491 crore (USD 10.1 billion).

India is today at a point of inflection in its infrastructure, energy, and mobility development. The industry has already invested heavily in preparing for BSVI transition; move to electric mobility offers the next set of challenges. In the interim, the massive slowdown in demand and the uncertainty on the future direction of the industry has affected buying decisions. The progression of the industry into a non-fossil fuel powered industry will require a gradual stage wise approach with interim regulatory support to fructify the investments required for such a transformation. We are going through a difficult phase but the industry is matured enough and I am confident that we will overcome the situation.

In this backdrop, it has become an imperative for our industry association, ACMA, to play a proactive and enabling role to support our members in identifying, pre-empting and overcoming the new set of challenges confronting the industry, ensuring that we scale up timely to the new opportunities and that the impact of disruption is minimal. During my tenure in 2018-19, we have continued to take several bold and forward-looking steps in ensuring that our industry has a sustainable growth and development agenda for the future.

Before I present to you our key activities and achievements in the year gone by, I am glad to mention that we opened yet another ACMA office at Pithampur, Madhya Pradesh to serve our members in the region.



## Business Development

The Business Development pillar has been fairly busy with its agenda of furthering business of our members with the OEMs as also in the aftermarket, both nationally as well as internationally.

On the home front, the i-AutoConnect - our Reverse Buyers-Sellers Meet in Pune with over 145 international delegates from over 45 countries, the third edition of ACMA North-East Aftermarket Expo in Guwahati with 55 participants, the ACMA Automechanika New Delhi with 240 international and 275 domestic exhibitors and the ACMA Value Chain Summit in Ahmedabad with 40 Tier 1 and Tier 2 exhibitors were well received by our membership.

Our focussed engagement with the OEMs - the ACMA Tech Expo with Volvo Eicher in Pithampur with 27 participants, with Tata Motors in Pune with 20 ACMA members and another with Honda Cars in Greater Noida with 19 of our members were indeed commendable. That apart, the 1st ever ACMA xEV localisation Conference & Summit aimed at supporting EV manufacturing OEMs to discover new domestic suppliers was much appreciated. To facilitate our members in finding new suppliers, especially steel and aluminium, the 1st Ever ACMA Raw materials conclave was indeed a grand success.

On the international front, we have had very successful participation in several exhibitions including the AAPEX Show in Las Vegas, Iran International Auto-parts show, Automechanika Istanbul, Automechanika Moscow, Automec Brazil, Automechanika Dubai, Indo-Bangla Automotive in collaboration with SIAM, Buyers Sellers Meet in Kathmandu, among others.

Our CEOs' study mission to Israel to understand the innovation eco-system and supporting infrastructure for new age industry was indeed an eye-opener. As a favourable outcome of the visit, the ACMA Centre of Excellence, Saksham, will soon be signing an MoU with the Tel Aviv University for creating virtual labs.

## Government Advocacy, Regulatory and Research

As mentioned earlier, the dynamics of the automotive market in India is undergoing a tremendous change. To support the changing customer needs and to stay relevant, the auto component sector needs to be encouraged with supportive government policies.

In this context, we continued our dialogue across various ministries and departments of the Government. This included several rounds of meetings with key Ministers and functionaries at the Ministry of Heavy Industries and Public Enterprises, Ministry Road Transport & Highways, Ministry of Commerce & Industry, Ministry of Finance, the NITI Aayog and several State Governments.

I am happy that this year, in the Union Budget, customs duty on several auto components was enhanced from 7.5 and 10 per cent to 15 per cent. We continue to petition the government to ensure a uniform rate of 18% GST across all

auto component tariff lines.

Further, as we prepare for the introduction of electric mobility in the country, ACMA has contributed significantly to the recently announced FAME2 policy of the Department of Heavy Industry, Government of India, especially the Phased Manufacturing Program (PMP). That apart, we continue to plea the Government for a well-defined, technology agnostic road map for e-mobility and its deep localisation.

On front of knowledge engagements, ACMA continued to work with several internationally renowned consultants as its Knowledge Partners and has published several studies and reports on topical subjects during the year.

## Skilling, Education, Training, Mentorship and Leadership Development

ACMA, continues to strive to fulfil its mandate of making Indian Auto component industry world-class. Till date our cluster programmes have helped over 1,000 plants to be globally competitive. Currently, we have over 23 cluster programmes running with more than 150 companies.

Further, the next phase of the ACMA-UNIDO-DHI Cluster program, especially designed for smaller companies, has started and our target is to upgrade 275 companies, double the target of the earlier phase.

I am also pleased to mention that Saksham - the ACMA Centre of Excellence (ACoE) is shaping well. The Centre, set up at the Sonipat campus of IIT Delhi has IIT Delhi, Maruti Centre of Excellence (MACE), AoTS of Japan, Cardiff University and VDA of Germany as its knowledge partners. The centre is well equipped with a state-of the art mechatronics lab as also a design lab. In the first year of its inception, it has been able to support 50 member companies and train 150 personnel. We plan to replicate such centres across the various auto-component hubs in the country, in the coming years, for the benefit of our membership.

## Overseas Investments & International Alliances

ACMA mounted a highly successful CEOs' mission to Hungary, Slovakia and Poland to explore investment opportunities in these central European countries. Several workshops were also conducted across all regions to help members understand nuances of JVs and M&As. Another new initiative in this direction has been 'ACMA Fund Raise', to help ACMA members raise capital and funds in a professional manner.

## Going Forward...

Going forward, with the view to create a sustainable industry and to help it navigate the challenges of technological and regulatory disruptions on one hand, and prepare it to harness newer business opportunities from the conventional and the next gen-mobility, we have adopted, 'Future of Mobility - Embracing the discontinuity' as our theme for 2019-20.

Domestic auto-component companies will have to gear themselves to the realities of a dynamic and volatile environment and reinvent their business models to deal with the new set of challenges. ACMA will continue to play an active role in sensitising the industry to such changes and facilitate it in overcoming them.

### Acknowledgements

I, sincerely acknowledge the support of the Governments at the Centre and States, who have been extremely receptive to ACMA's suggestions and inputs. I am grateful to the Ministry of Heavy Industry and Public Enterprises, our nodal ministry, for its unstinted support and guidance. This would be also be the opportune time to place on record my appreciation for the support extended to us by CII, SIAM, IMTMA and other industry bodies.

Finally, as I conclude my term as President, I would like to thank all our members for their unwavering support. I would, particularly, like to thank the Vice President, all Chairmen, Co-Chairmen and Advisors of various Pillars and sub-Pillars, the Past Presidents of ACMA and our Executive Committee members for their guidance and involvement. I also appreciate and applaud the efforts and support provided by the ACMA Secretariat.

I am confident that as an industry we will not only overcome the current challenges facing us, with the support of all stakeholders, but also continue to create a new paradigm in manufacturing excellence through our unwavering focus and commitment to technology and quality.

Best Wishes  
**Ram Venkataramani**





## INDUSTRY 4.0 & DIGITISATION

Automation and adoption of data exchange in automotive manufacturing chain is fast gaining ground in India. Cyber-physical systems, Internet of things, cloud computing and cognitive computing are in varied stages of adoption. These technologies have the potential of transforming the production scenario in the 21st century by promoting a 'connected shop floor' where data is collected from various sensors and other input devices and can be used for predictive maintenance, better control and long-term analysis thus mitigating risk.



## DIRECTOR GENERAL'S MESSAGE

With an industry-wide turnover in excess of US\$57 billion in 2018-19, the Indian auto-component industry is a significant contributor to the country's economy. The sector has been at the forefront of the 'Make-in-India' initiative and a prominent showcase of India's frugal engineering and manufacturing capabilities. India's consuming class is expected to expand to 89 million households by 2025 and this burgeoning consumer class is expected to invest in better vehicles across segments to serve their rising mobility needs. The Automotive Mission Plan (AMP) of the Government of India (GoI) envisages a significant growth for the vehicle industry in the country, to make it the second largest in the world. In line with this growth the component industry is expected to grow five-fold to US\$200 billion, with exports of US\$70 billion and after-market sales of US\$32 billion. However, in order to achieve this long term objective, the industry has to overcome several immediate challenges and 2018-19 has been a watershed year for the industry.

We are going through a phase of disruption and transformation in the industry. There are several trends including connected cars, shared mobility and electrification of the power-train that will directly impact the component

industry in India. During 2018-19, there was the immediate pressure of continuing to invest in BSVI technologies for the 2020 transition. During this phase, ACMA has been focused on playing the role of a bridge between the regulators and the auto-component industry to ensure the industry meets the deadline. In order to chart out the technology transition for our members, we have been leading delegations and study missions overseas to see and evaluate new technologies for adoption through joint ventures or technical assistance.

The uncertainty in direction for adoption and manufacturing of electric vehicles has created considerable doubt and apprehension across the components industry in India. While the industry is committed to overcoming the challenges of increasing pollution and reduction in use of fossil fuels, it believes the transition away from fossil fuel technologies needs to be done in a graded manner under a definite policy framework. Today, the developments are a bit ad hoc and that makes it very difficult for companies to adopt and make definitive investments. The industry fears that the policy could take a heavy toll on it and recommends that the government should define a technology agnostic road map for xEVs (hybrid and electric vehicle) with well-defined roles and responsibilities for each stakeholder and mandate standards for components for xEVs and charging stations to prevent cheap and substandard imports.

Unfortunately, while the technology transformation uncertainties remain in the backdrop, the industry has faced a severe demand contraction since the second half of the financial year 2018-19. And, in the first quarter of 2019-20, there has been 20% drop in production of vehicles, which has adversely affected component manufacturers. If the trend continues, it is feared that the sector will have to resort to cut

almost one  
fifth of the total  
workforce of 5 million.

Clearly, the industry is going through very challenging times and the ACMA has a critical role to play in partnering with all key stakeholders including the Government to put the industry back on its long term growth path.

We, at ACMA, are making all efforts to support the industry in its transformational journey by advocating for a supportive regulatory environment. At the same time, all efforts are on to facilitate our members in discovering newer markets as the domestic market witnesses a major demand slump. As an industry, we are confident of overcoming these impending challenges with a collective and partnership approach.

At the secretariat of ACMA, we will continue to strive for the development of the industry, and as the executive head, I would personally like to thank all my colleagues for their tireless efforts through the year. To all the members and stakeholders of ACMA including government officials, I would like to extend by deepest gratitude for their support.

Regards  
**Vinnie Mehta**



## FAME II SCHEME

Faster Adoption and Manufacturing of electric vehicles in India Phase II (FAME - II), a scheme to promote electric mobility in the country, with the total outlay of Rs 10,000 Crores, over three years period (2019-22). It is designed to encourage faster adoption of electric & hybrid vehicles, way of offering upfront Incentive's on purchase of electric vehicles. It also promotes establishing of necessary charging Infrastructure for electric vehicles, and aims at addressing issues of environmental pollution and fuel security.



## STATE OF THE INDUSTRY

### AUTOMOBILE INDUSTRY

#### GLOBAL MARKETS

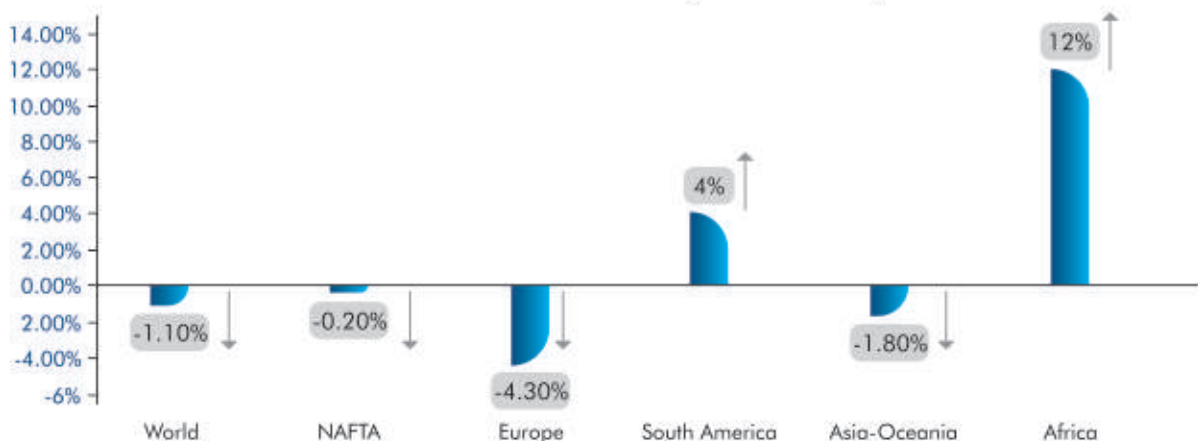
Globally the automotive sector displayed a chequered performance in 2018. With growth coming to a halt in Europe and North America, and China experiencing a slowdown in vehicle production and sales for the first time in over 20 years. Going forward, the global automotive industry is expected to witness a challenging phase in 2019; the shockwaves of Brexit and USMCA deal are expected create ripples across global markets.

The automotive industry has evolved significantly over the

USA has been maintained at a steady level. In fact, there was a growth of 1.1% in production of passenger cars and commercial vehicles, in US. Current sales levels are still robust even though they are not meaningfully growing. Going forward, growth albeit slow, is likely due to factors such as low unemployment, healthy credit access, and little evidence of a subprime auto-lending bubble.

In EU (27 countries) the production cars and CVs' was down (-) 2.2% in 2018, while for EU (15 countries) it was down by a higher (-) 4.3%. European volume also remains at a plateau, with demand in a range of negative 1% to positive 1%. One phenomenon playing a large role in the European

Automobile Production Growth (2018 over 2017)



Source: OICA

past decade. Digital technology, change in customer sentiment and economic health have played a vital role in this evolution. Mobility companies such as Uber have grown exponentially over the last few years while established technology players like Amazon and Microsoft are crunching back-end automotive data. Connected technology has become even more important and fundamental to the advancement of vehicles, bringing in a host of new features and offerings.

Similar to previous years, trends such as declining sedan sales, increasing alternative fuel powertrains especially electric vehicles, and more value-added services in digital retail will continue to remain dominant in the automotive industry. New and alternative forms of vehicle ownership are becoming more popular, especially subscription services and e-powered ride-hailing services.

The latest OICA (International Organisation of Motor Vehicles Manufacturers) statistics clearly show that the worldwide automotive industry has hit a difficult phase after 8 consecutive years of growth. In fact, the global vehicle market reduced by (-1.1%) in terms of production of passenger cars and commercial vehicles, recording a total of 95.7 million vehicles in 2018.

Even under these difficult conditions, vehicles production in

market was the September 2018 implementation of the Worldwide Harmonised Light Vehicle Test Procedure, which created market distortions that resulted in aggressive pricing and lack of availability of noncertified models. In many markets across the region it was a weak end to the year. The Italian economy, for example, is teetering on the edge of recession and consumer and business sentiment has also dipped in many other countries, including Germany. France's economy has taken a hit as protesters have hit the streets. And of course, UK has to deal with issues related to Brexit.

Diesel car sales are on the wane in Europe and that also translates into a softer market because many diesel car owners are putting off replacement purchases in the absence of clear signals from policy makers on how diesel cars will be treated in regulatory and tax terms. Nowhere is the rapid decline of the diesel passenger car more evident than the UK.

Production in Asia-Oceania was down by (-) 1.8% with a (-) 4.2 fall in production in China, the largest global market. 12.6% growth in Malaysia, 10.3% in Indonesia and 8% in India provided positive impact to the region while the Japanese market remained stable with 0.4% growth. The trade issues between the US and China has certainly had a negative impact on consumers and investors, but China's



economy was on course for slowdown anyway. As China tries to steer its vast economy towards more domestic consumption and away from reliance in export manufacturing, it's becoming clear that the efficacy of available policy levers is far from being straightforward. In addition, sentiment continue to reduce due to new tariffs on US-China trade (with the prospect of more to come), declining property prices and stock markets.

3.2% with a major (-) 11.7% drop in USA, (-) 3.3% in Asia and Oceania, and (-) 5.1% in EU (15), while it was up 3% in South America. Light Commercial Vehicles (LCVs) witnessed growth at the global level of 4.2% with 3.3% in EU (15), 3.7% in Asia Oceania, and 4.7% in the Americas (North and South). Production of Heavy trucks grew by 3.5% growth

globally, with Americas (North and South) recording a high growth of 18.8%, while EU (15) saw drop in production by (-) 3.8%. Production in Asia was steady with a minor growth of 0.8%.

Going forward, much does depend on the state of the US-China relationship. If the world's two largest economies are engaged in hostile rhetoric that threatens more trade disruption and lower economic growth, consumers and businesses will likely reign in their spending further. Another round of US tariffs on Chinese goods has been postponed, but not yet cancelled. And, if Chinese customers put off car purchases, American companies will be among the losers seeing lower volumes and their bottom lines squeezed.

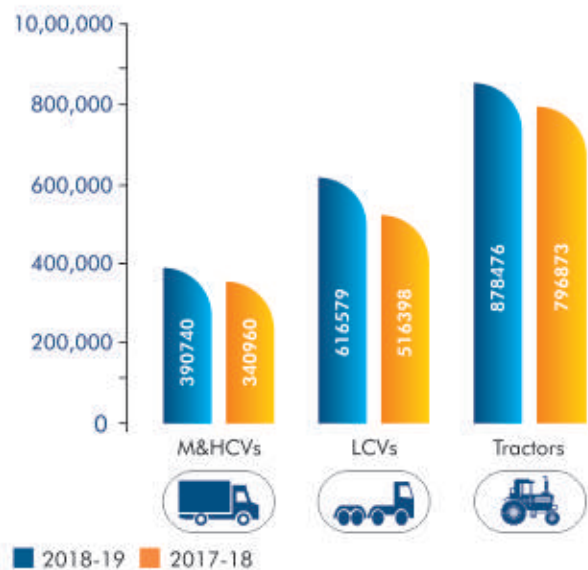
## INDIA

Overall sales in the Indian auto industry increased 5% year-on-year to 26.3 million units (excluding tractors) in 2018-19. India is the world's largest two wheeler manufacturer in term of volume, 4th largest for passenger vehicles and 7th largest manufacturer of commercial vehicles in 2018. Moreover, growing middle class, young population and growing interest of the companies in exploring rural markets, have further aided, growth of the sector.

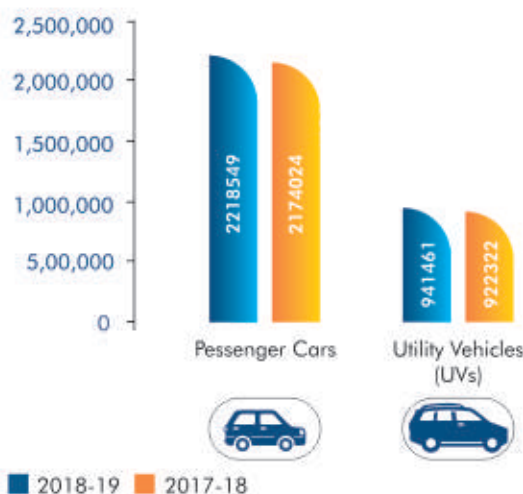
India is also a prominent auto exporter and has strong export growth expectations for the near future. Automobile exports grew 14.5 % during 2018-19. It is expected to grow at a CAGR of 3.05 % during 2016-2026. In addition, several initiatives by the Government of India and the major automobile players in the Indian market are expected to make India a leader in the two-wheeler and four wheeler market in the world by 2020.

The Indian automobile industry, has finally embraced a slowdown after a near-decade of high growth. There are two reasons for the sharp fall in numbers. First, a long term correction had been pending for some time in the sector. Dealers have now put a break on the inventory, primarily

### SALES: COMMERCIAL & AGRICULTURE VEHICLES

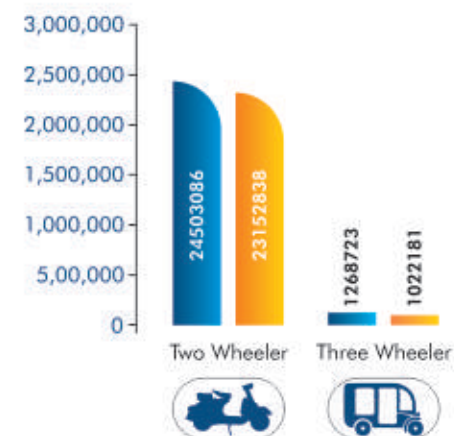


### SALES: PASSENGER VEHICLES



Source: SIAM

### SALES: 2-3 WHEELER



Source: SIAM

due to the slowdown in sales. Purchasing power in the economy has been affected. Second, the auto industry is witnessing a big technology disruption, in the form of new regulations. From April 2020, automobiles will have to be compliant with Bharat Stage VI, an emission control standard that will replace the existing Bharat Stage IV norms and bring India on par with advanced countries such as those in Europe and the US. The cost of meeting the new regulations, including BS VI, and other safety norms such as air bags will be higher. There are also uncertainties related to the mandated transformation into electric vehicles.

The industry produced a total 30,915,420 vehicles including passenger vehicles, commercial vehicles, three wheelers, two wheelers and quadricycle in April-March 2019 as against 29,094,447 in April-March 2018, registering a growth of 6.26% over the same period last year.

The sale of Passenger Vehicles grew by 2.70 % in April-March 2019 over the same period last year. Within the Passenger Vehicles, the sales of Passenger Cars, Utility Vehicle & Vans grew by 2.05 %, 2.08 % and 13.10 % respectively in April-March 2019 over the same period last year. The overall Commercial Vehicles segment registered a growth of 17.55 % in April- March 2019 as compared to the same period last year. Medium & Heavy Commercial Vehicles (M&HCVs) increased by 14.66 % and Light Commercial Vehicles grew by 19.46 % in April-March 2019 over the same period last year.

Three Wheelers sales increased by 10.27 % in April-March 2019 over the same period last year. Within the Three Wheelers, Passenger Carrier sales registered a growth of 10.62 % and Goods Carrier grew by 8.75 % in April-March 2019 over April-March 2018.

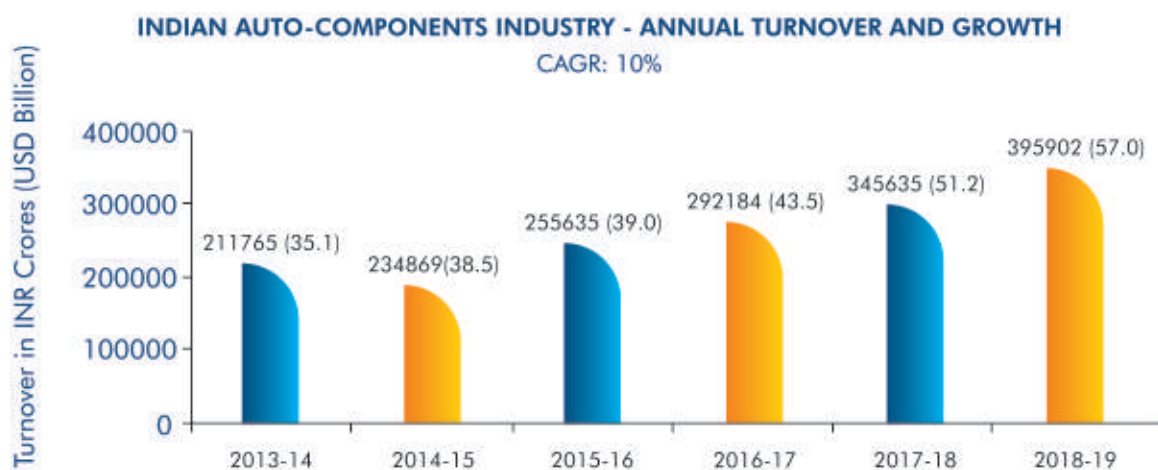
Two Wheelers sales registered a growth at 4.86 % in April-March 2019 over April-March 2018. Within the Two

Wheelers segment, Scooters declined by (-) 0.27 %, whereas Motorcycles and Mopeds grew by 7.76 % and 2.41 % respectively in April-March 2019 over April-March 2018. In April-March 2019, overall automobile exports grew by 14.50 %. While Passenger Vehicles exports declined by (-) 9.64 %, Commercial Vehicles, Three Wheelers and Two Wheelers registered a growth of 3.17 %, 49.00 % and 16.55 % respectively in April-March 2019 over the same period last year.

The Indian tractor industry witnessed a double digit growth for the third consecutive year in financial year 2018-2019, however, the pace was slowest in the last three years. In 2018-19 tractor sales grew by 10.24% at 878,476 units as compared to 20.52% and 15.74% in 2017-18 and 2016-17 respectively. On a yearly basis the growth rate was almost halved in 2018-19. Growth was marred due to weak sentiment in the (later part of the year as sales slipped into negative in February and March 2019 on year-on year (yoy). This ensued into the fourth quarter performance posting a year on year decline of (-) 5.78%.

The next six months are expected to be volatile for the auto sector on account of the shift to BS-VI emission norms. The uncertainty is further compounded by lower consumer sentiments resulting in inventory build-up, and all OEMs are aligning production in line with demand. In the immediate future, the industry faces further challenges due to the paucity of credit funds, which have partly been addressed in the Budget with the expected infusion of Rs. 70,000 crore into the public sector banks. There is also the spectre of electrification of majority of cars in India. Clearly, the Indian automotive industry is at an inflection point where both opportunities and challenges abound in equal measure. The coming year will be witness to several landmark disruptions and changes in the auto industry that, by implication, will shape the direction of future events in the industry.

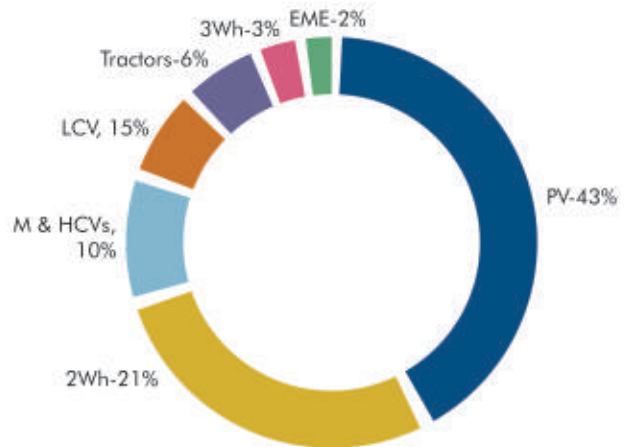
## INDIAN AUTO-COMPONENT INDUSTRY



The auto-component industry grew by 14.5% to Rs. 395,902 crore (US\$ 57 billion) in 2018-19. This includes supplies to domestic OEMs, aftermarket and exports.

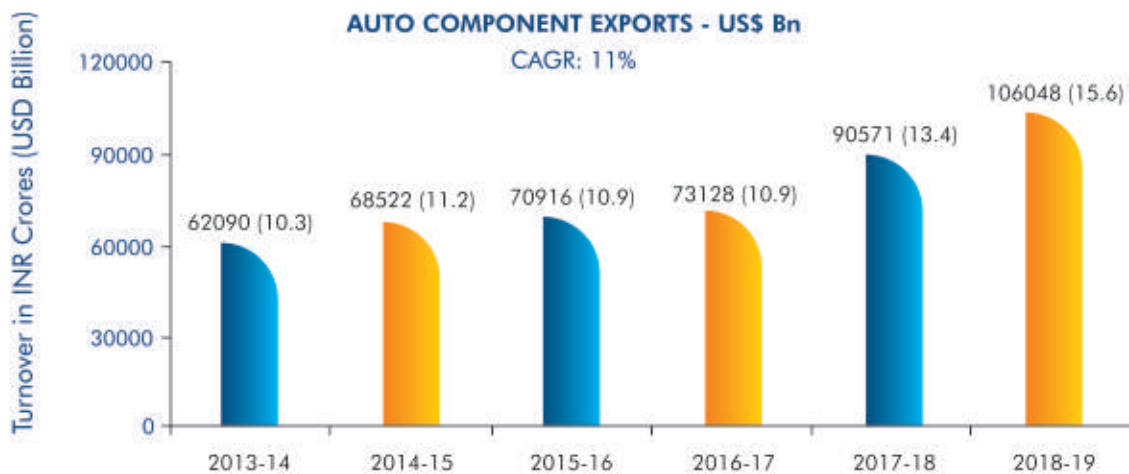
In terms of supplies to OEMs, passenger vehicles in the largest segment with 43% share, followed by 2 wheelers with 21%, LCVs 15%, M&HCVs 10%, tractors 6%, 3 wheelers 3% and construction equipment 2%.

SEGMENT SHARE IN OEM SUPPLIES



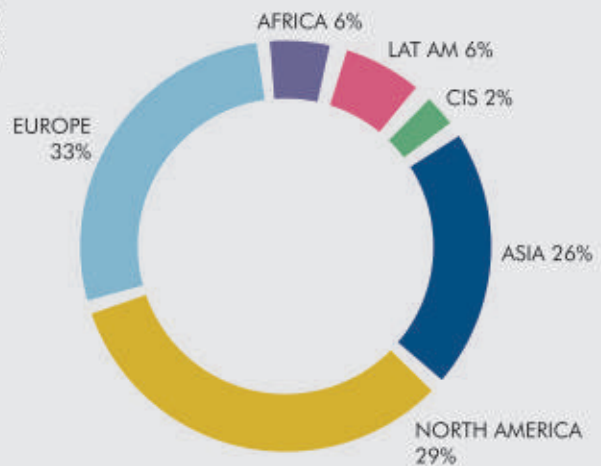
## EXPORTS

Auto-component exports continued to do well registering a strong 17.1% growth to reach Rs. 106,048 crore (US\$15.16 billion) in 2018-19 with strong growth across regions – 18% to North America, 13% to Asia and 5% to Europe.



Europe continues to be the largest market for Indian auto-component exports with a share of 33% followed by North America at 29%; Asia at 26%; Latin America 6%; Africa 6% and CIS 2%. In terms of major countries as export destinations – USA with 25% remains the largest partner followed by Germany at 7% and UK at 5%.

AUTO COMPONENTS EXPORTS - REGION WISE



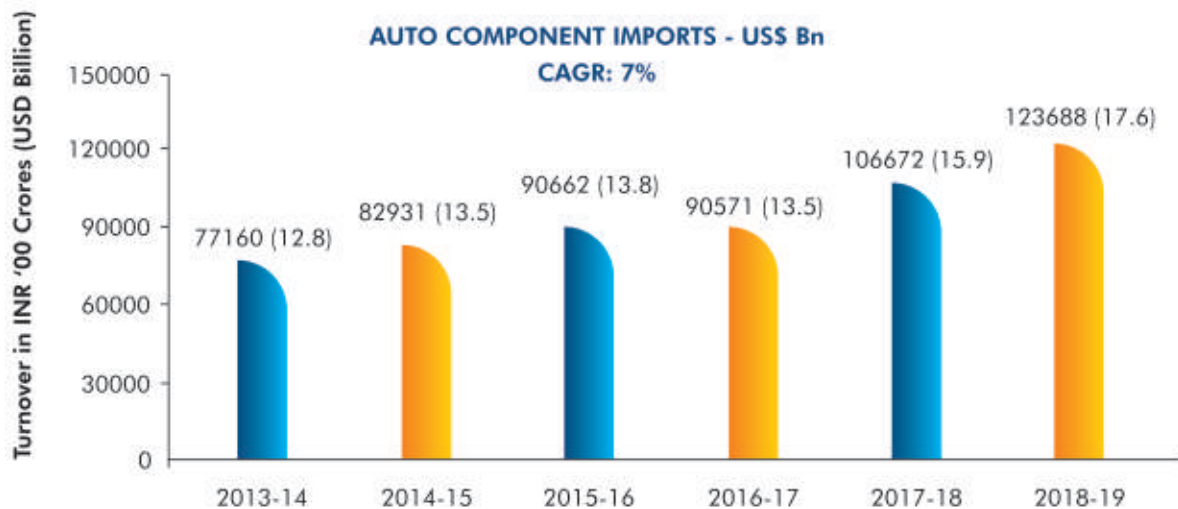
### EXPORT SOURCE - TOP 10 COUNTRIES

USA	25%	TURKEY	4%
GERMANY	7%	BRAZIL	3%
UK	5%	BANGLADESH	3%
THAILAND	4%	UAE	3%
ITALY	4%	MEXICO	3%

## IMPORTS

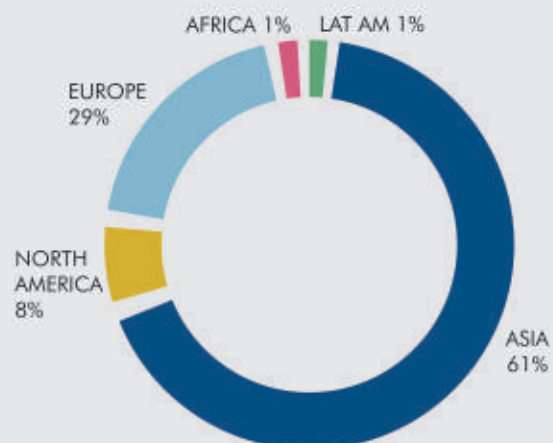
Auto-component imports grew by 14.4% to reach Rs. 123,688 crore (US\$17.6 billion) in 2018-19 with varied growth across regions – 8% from Europe; 9% from North

America; and 14% from Asia, which is the largest source in size.



Asia continues to be the largest source of imports for Indian auto-component with a share of 61% followed by Europe at 29%; North America at 8%; Latin America 1%; and Africa at 1%. In terms of major countries as source of imports – China with 27% remains the largest partner followed by Germany at 14%; Japan 11%; Korea 10%; USA 7%; Thailand 6%, Italy 3%; and UK, France and Czech 2% each.

#### AUTO COMPONENTS IMPORTS - REGION WISE

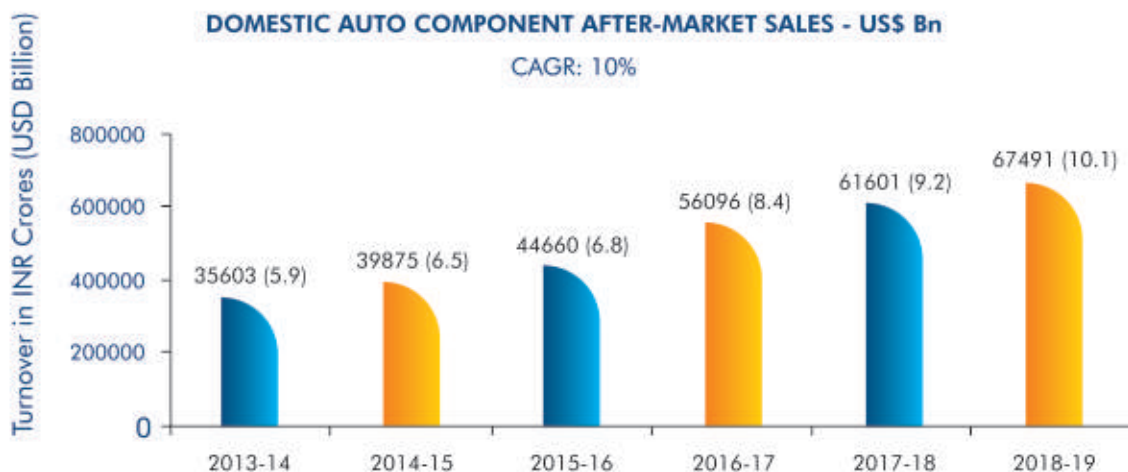


#### IMPORT SOURCE - TOP 10 COUNTRIES

CHINA	25%	THAILAND	4%
GERMANY	7%	SINGAPORE	3%
SOUTH KOREA	5%	ITALY	3%
JAPAN	4%	UK	3%
USA	4%	FRANCE	3%

## DOMESTIC AFTERMARKET SALES

Domestic After-market sales continued to grow although at a lower level compared to 2017-18. In fact, domestic after-market sales increased by 9.6% to Rs. 67,491 crore (US\$10.1 billion) in 2018-19 compared to 2017-18.



## ABOUT THE ORGANISATION

### INTRODUCTION

Established in 1959, the Auto Component Manufacturers' Association (ACMA) is committed to developing a globally competitive Indian Auto Component Industry and strengthen its role in national economic development as also promote business through international alliances.

The apex body, ACMA has been relentlessly promoting the interests of the Indian auto-component industry for over five decades whether it is global promotion or conducive policy environment or enhancing internal efficiencies of its members.

ACMA's active involvement in trade promotion, technology up-gradation, quality enhancement and collection and dissemination of authentic information has made it a vital catalyst for this industry's development. The other activities include participation in international trade fairs, sending trade delegations overseas and bringing out publications on various subjects related to the automotive industry

### MEMBERSHIP

Today, with over 800 companies as members, ACMA represents around 85% of the entire auto-component sector turnover in the organised sector in India. Its memberships comprise companies all across India that either supply directly to OEMs or to tier one companies.

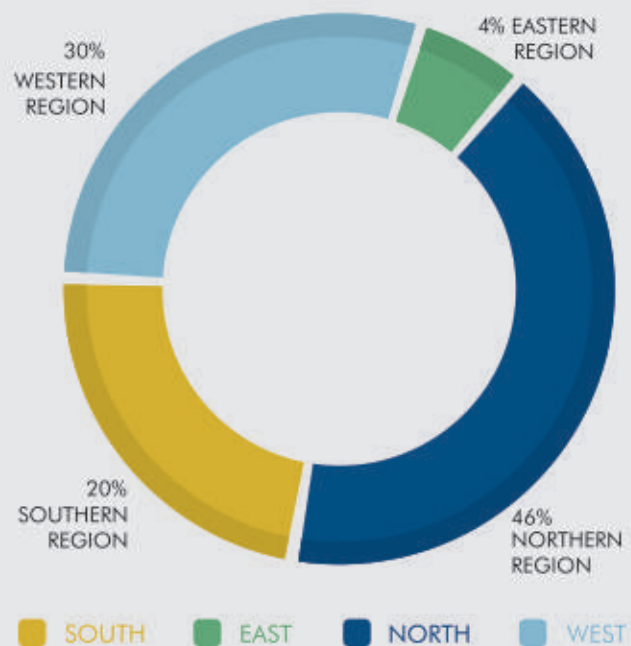
#### ACMA MEMBERSHIP (As of May 2019)

REGIONS	MEMBERSHIP
Eastern Region	33
Northern Region	383
Southern Region	168
Western Region	248
<b>Total</b>	<b>832</b>

### REPRESENTATION

The organisation is represented in all government and industrial bodies in India pertaining to the auto-component industry. In terms of affiliations and partnership with other industry bodies, ACMA works closely with the Associated Chambers of Commerce and Industry of India (ASSOCHAM), Confederation of Indian Industry (CII) and Federation of Indian Chambers of Commerce and Industry (FICCI). The organisation regularly interfaces with the

#### ACMA MEMBERS - REGIONAL PRESENCE (INDIA)



Society of Indian Automobile Manufacturers (SIAM), Automotive Research Association of India (ARAI), Indian Machine Tools Manufacturers Association (IMTMA), National Automotive Testing and R & D Infrastructure Project (NATRiP), Automotive Skill Development Council (ASDC) and other member Association of the Associations Councils of CII.

ACMA continues to be represented on the following government bodies:

- Automotive Industry Standards Committee
- Automotive Research Association of India (ARAI)
- Automotive Skill Development Council (ASDC)
- Bureau of Indian Standards (Transport Engineering Division)
- Central Motor Vehicles Rules-Technical Standing Committee
- Development Council for Automobiles and Allied Industries
- Development Council for the Machine Tool Industry
- Indo-German Joint Working Group on Automotive Sector
- India-Netherlands Joint Working Group on Automotive Sector
- National Automotive Board
- National Automotive Testing and R&D Infrastructure Project (NATRiP)
- National Board for Electric Mobility

(Illustrative)

## INTERNATIONAL ALLIANCES

With an increased focus on globalisation of the Indian auto-component industry, ACMA has developed strong relationships with several counterpart organisations across the world that help better integrate the Indian auto-component industry in the global supply chain.

## SECRETARIAT

The operations are executed by a strong secretariat with a presence across all regions of India. In keeping with ACMA's continuous pursuit for excellence, the system and processes across the functions of the secretariat have adopted best practices, and ACMA has been certified as ISO 9001-2015 for quality.

COUNTRY	ORGANISATIONS	MOU Partners
Argentina	Asociacion de Fabricas Argentinas deComponentes (AFAC)	
Australia	Australia Automotive Aftermarket Association (AAA)	
Brazil	Brazilian Association of Automotive Components Manufacturers (SINDIPECAS)	
Canada	Automotive Parts Manufacturers Association (APMA)	
Egypt	Egyptian Auto Feeders Union (EAFU)	
France	Federation Des Industries Des Equipments Pour Vehicules (FIEV)	
Germany	Verband der Automobilindustrie (VDA)	
Germany	Fraunhofer-Gesellschaft zur Foerderung der Angewandten Forschung e.V.	
Germany	ACMA-Messe Frankfurt - Trade Fairs	
Hungary	MAJOSZ (Association of Hungarian Automotive Component Manufacturers)	
Iran	Iranian Autoparts Manufacturers Association (IAPMA)	
Italy	Unione Industriale Torino (UIT)	
Japan	Japan Auto Parts Industries Association (JAPIA)	
Kazakhstan	Association of Kazakhstan Auto Business (AKAB)	
Korea	Korea Auto Industries Cooperative Association (KAICA)	
Malaysia	Malaysian Automotive Component Parts Manufacturers Association (MACPMA)	
Mexico	Asociacion Nacional de Representates, Importadores Y Distribuidores de Refacciones Y Accesorios Para Automoviles, AC (ARIDRA)	
New Delhi	Korea Trade Center (KOTRA)	
Nigeria	National Automotive Council (NAC)	
Poland	Stowarzyszenie Dystrybutorów i Producentów Części Motoryzacyjnych (Association of Automotive Parts, Distributors & Producers-SDCM)	
Pakistan	Pakistan Association of Automotive Parts and Accessories Manufacturers (PAAPAM)	
Russia	National Association of Automotive Components Manufacturers (NAPAK)	
South Africa	The National Association of Automotive Components & Allied Manufacturers (NAACAM)	
South Korea	Gwanju Aftermarket Council (GAC)	
South Korea	Economic Cooperation Agreement between Gunsan City, Jeollabuk-do Province, Republic of Korea & ACMA	
Spain	Asociacion Espanola de Fabricantes de Equipos y Componentes para Automocion (SERNAUTO)	
Sri Lanka	Sri Lanka Automotive Component Manufacturers Association (SLACMA)	

Sweden	Scandinavian Automotive Suppliers Association (SASA)
Taiwan	Taiwan Telematics Industry Association (TTIA)
Thailand	Thai Auto-Parts Manufacturers Association (TAPMA)
Tunisia	UTICA / L' Association Tunisienne des Fabricants de Composants Automobiles (UTICA/ATFCA)
Turkey	Association of Automotive Parts & Components Manufacturers (TAYSAD)
UK	The Society of Motor Manufacturers & Traders Ltd. (SMMT)
USA	The Motor & Equipment Manufacturers Association (MEMA)
USA	Society of Automotive Engineers (SAE)
USA	Original Equipment Suppliers Association (OESA)
USA	Auto Care Association (earlier known as Automotive Aftermarket Industry Association - AAIA)
Uzbekistan	The Association of the Enterprises of Automotive Industry of the Republic of Uzbekistan (UZAUTOSANOAT)

## EXECUTION

With the internal restructuring exercise firmly in place, today ACMA has a revised structure, which is better aligned to meet the requirements of the next phase of industry development. The organisation, now, operates under a matrix where all committee activities have been aligned under five pillars. Each of these pillars are led by secretariat; supported by an elected member as Chairperson and a co-Chairperson for direction; sub-pillar Chairperson/Co-Chairperson can be a co-opted member or an invitee; guided by a consultant or subject matter expert (SME) from the industry, government or academia depending on activity under the pillar. Each Pillar is advised by a past president.

**The new organisation set-up pivots around 5 specific business pillars. These are:**

The Business Development Pillar, strengthens existing business relationships and explores new opportunities with OEMs, Tier 1s and the Aftermarket. It is also the nodal point for organising Trade Missions, Trade fairs, Tech-shows and BSMs domestic and international. The activities include promoting 'Make in India' and 'Brand India' at international trade fairs, facilitating global OEMs/ Tier 1 companies in investing in India, interfacing with IPOs in India to organise specialised events like Buyers Sellers Meet and Supplier Conferences. The pillar actively supports Tier-2s and MSMEs to scale up by assisting in connecting them to Tier-1s. To create awareness and address issues related to business development, the pillar assist in organising workshops and training programs through research and studies related to market trends, business opportunities, trade practices and regulations are undertaken under this pillar. The pillar engages and interfaces with relevant Ministries, Government agencies and International associates for funding support for various business development activities and also explores related businesses such as Defence and Railways.

**The Government Advocacy, Regulations and Research Pillar,** engages with ministries in Central and State

Governments and related statutory bodies, develops policy updates for the component industry, addresses concerns to the Government, interacts with other industry associations and trade bodies, focuses on knowledge building, supports regions to address ministerial matters at the Central Government, and develops the annual Pre-budget Memorandum to the Government and related organisations.

**The Education, Skilling, Leadership Development and Mentorship Pillar,** has a multi-pronged set of deliverables across stakeholders. For ACMA members, it delivers specific assessment and certification programmes, supports and guides them to achieve internal improvements, and designs and specific skill development and training programmes. These objectives are also supported by organising and driving clusters, trainings, summits and conferences for understanding challenges and avenues to best leverage operational excellence and future manufacturing technology. It also organises international training programs. For the industry, as a whole, the cluster's mentor young talents to make them leaders of tomorrow and develops a pool of experts across business functions that can help individual members grow their businesses. It is actively developing the Centre of Excellence to develop new skills and talent to support the industry. The Pillar is also responsible for interfacing with the Automotive Skill Development Council, a joint initiative of ACMA, SIAM, FADA and the National Skill Development Council of the Government of India.

**The Joint Ventures, Trade Agreements, M&A, Overseas Investments and Industry Associations Pillar,** provides understanding and insights on how to access technology through partnerships and JVs. It provides insights into leveraging opportunities through M&A, JV, TA and expand footprint globally (brown field and green field) and in the domestic market. Workshops, conferences and match making expos are conducted to support its initiatives. It also promotes creating a strong global network of 'Associations of Component Manufacturers' for mutual co-operation, business development, and provides a platform of sharing best practices, information exchange and build stronger global linkages.

The Industry, ACMA image and PR Communications Pillar, supports in enhancing the overall brand of the industry and the association. It helps bring awareness and visibility for the significant contribution made by auto component industry and by ACMA to stake holders, and provides visibility to various ACMA activities and initiatives in both domestic and international markets. Utilising Public Relation and Social Media as tools it brings higher visibility

to the ACMA brand among internal and external audiences. It is the centre for all public relations activities for the association and is the custodian for managing all association related content in print or on the world-wide-web.

## ACMA QUALITY POLICY

ACMA is committed to provide leadership and quality services to its customers. This would be achieved by:-

- Evolving & delivering innovative services through consensus and in partnership with members/other stake holders
- Contributing to the developmental needs of the customers in the backdrop of changing external environment
- Enhancing ACMA's capabilities and competence portfolio commensurate with emerging Industry needs and expectations
- ACMA is committed to comply with the requirements of the Quality Management System and to continually improve its effectiveness through employee involvement

President

Director General



## PHASED MANUFACTURING PROGRAM

Phased Manufacturing Program (PMP) promotes localization of content upto 40% on ex-factory price of the vehicles, in the case of electric buses & four-wheelers and 50% for all other categories of electric vehicles, such as two-wheelers, three-wheelers and e-rickshaw, to avail the benefits under Fame II. Its objective is to attract investment's and promote make in India.





## OFFICE BEARERS



### President

Mr. Ram Venkataramani  
Director  
India Pistons Ltd.



### Vice President

Mr. Deepak Jain  
Chairman & Managing Director  
Lumax Industries Ltd.

## REGIONAL CHAIRPERSONS



### Northern Region

Mr. Deepak Chopra  
Group CEO  
Anand Automotive Pvt. Ltd.  
& Chairman -  
Spicer India Ltd.



### Southern Region

Mr. P. Kaniappan  
Managing Director  
WABCO India Ltd.



### Western Region

Mr. Piyush I. Tamboli  
Chairman &  
Managing Director  
Investments and Precision  
Castings Ltd.



### Eastern Region

Mr. Sanjay Sabherwal  
Managing Director  
Metaldyne Industries Ltd.

# RATIONALISATION OF DOMESTIC TAXATION & LOGISTICS EFFICIENCY

In the new GST environment, the automotive supply chain is undergoing large-scale adaptation to benefit from a simplified one-market ecosystem. It could improve operations and provide advantages of scale, resulting in a re-engineered distribution footprint and re-modelled logistics that is not defined by regional fiscal regimes.



# MARQUEE EVENTS

## ACMA 59th ANNUAL SESSION



The 58th ACMA Annual Session and Conference was held on September 5, 2018 at the Hotel Taj Palace, New Delhi with over 1,500 participants. The theme of the event was 'The Auto Component industry in India: Preparing for the Future'. During the event eminent speakers deliberated on the likely future of the auto and auto component industry.

On the occasion, **Mr. Nitin Gadkari, Hon'ble Union Minister of Road Transport and Highways, Government of India** highlighted "To strengthen the economy, our government is actively pursuing the policy of substituting imports and boosting exports. I am pleased to see the auto component industry perform remarkably in turnover and exports. I believe there are immense possibilities for this sector to grow further. Our government is driving the agenda of promoting Innovation, entrepreneurship, technology and research."

Speaking further on excess dependence on fossil fuels, Mr. Gadkari added "the government is working towards various kinds of alternative fuels as an effort to reduce carbon footprint by introducing first generation bio ethanol. The industry should come forward to develop the technologies to power the new generation engines."

**Mr. Anant Geete, Hon'ble Union Cabinet Minister for Heavy Industries, Government of India** and Public Sector Enterprises, said "The automotive industry is the top contributor to the Government of India's Make in India initiative and has accounted for maximum investments under the program. Going forward, we would be framing the auto policy in accordance with the current state of the automotive industry and demands of the future. I assure the ministry of heavy industries will support the industry to resolve all issues and concerns."

Speaking on the future of Indian Economy, **Mr. Suresh Prabhu, Hon'ble Union Minister for Commerce & Industry and Civil Aviation, Government of India** said "Government has set a vision of realising a national GDP of US\$ 5 trillion in next seven years with manufacturing sector accounting for USD 1 trillion with the auto and auto component industry will contribute significantly."

Commenting on the way forward for the automotive sector, **Mr. Nirmal Minda, President, ACMA** said, "the auto and auto component industry, globally and in India, is undergoing a transformation across its entire supply chain. Several factors such as new regulations on emission, safety & environment, fast changing customer preferences, shifting economic dynamics and trade policies are reshaping our industry. The case globally, e-mobility is fast catching the imagination of our policy makers and a definite policy delineating the road map for e-mobility in India is therefore the need of the hour. We are confident that as hybrid and electric technologies gains traction, vehicle manufacturers will support localization of components."

Several eminent leaders from the automotive industry shared their views. This included Mr. Kenichi Ayukawa, Managing Director, Maruti Suzuki India, Mr. Guenter Butschek MD and CEO, Tata Motors, Mr. Minoru Kato, President and CEO, Honda Motorcycle and Scooter India, Mr. Rakesh Bharti Mittal, President CII & Executive Vice Chairman, Bharti Enterprises, Dr. Pawan Goenka, Managing Director, Mahindra & Mahindra, Dr Abhay Firodia, President SIAM & Chairman, Force Motors, Mr. Nirmal Minda, President, ACMA & CMD, Minda Industries and Mr. Ram Venkataramani, Vice President ACMA & MD, IP Rings. McKinsey & Co. conducted ACMA's study themed "Auto component industry in India: Preparing for the future". This was released during this event by the Chief Guest, Mr. Anant Geete, Minister for Heavy Industries and Public Sector Enterprises. The future of the auto OEM and auto component industry is being shaped by multiple trends, policies, technologies and discontinuities. In this backdrop, the study highlights the tremendous opportunities for the Indian auto component industry in India with growing vehicle consumption and the introduction of next generation mobility. Clearly, the dynamics of the industry, like the world over, would be impacted with the advent of ACES – Autonomous, Connected, Electric and Shared mobility. However, the opportunities in this space are contingent on the ability of players in the Indian auto component industry to scale up significantly on the technology front.

**ACMA**  
Automotive Component Manufacturers Association of India

# 58<sup>th</sup> Annual Session Auto Component Industry in India - Preparing for the Future

September 5, 2018



## ACMA 58th ANNUAL SESSION





## ACMA AUTOMECHANIKA, NEW DELHI



The fourth edition of this event was held on 14-17 February 2019 at New Delhi. With over 500 exhibitors, ACMA Automechanika New Delhi is industry's leading trade fair for automotive aftermarket. The event offers opportunities for sourcing new product categories, building global partnerships through, networking events, knowledge forums and conferences.

The show is a one stop destination to meet global and home-grown brands, network with top notch professionals and keep up to date with industry happenings at one go. Brand 'Automechanika' is one of the most successful trade fair brands of Messe Frankfurt.

As the world's biggest trade fair for the automotive aftermarket, ACMA Automechanika New Delhi spotlights innovations and solutions in the fields of parts, systems, tuning, workshop equipment, bodywork & paintwork, car wash, IT & Management and the latest automobile services.

The event was spread over 20,033 sqmtrs with 515 exhibitors (276 Indian and 239 International) and 13,267 visitors. There were 15 foreign contingents with 4 international pavilions from China, Korea, Taiwan and U.K. The event was a knowledge seminar focused on enabling the "Indian auto component industry" to embrace Industry 4.0 and Aftermarket Global Trends and Opportunities'.







## ACMA xEV LOCALISATION CONFERENCE & EXHIBITION, NEW DELHI



ACMA, the apex body of the Auto Component Industry in India, along with Society of Indian Automobile Manufacturers (SIAM) and Indian Electrical & Electronics Manufacturers' Association (IEEMA), under the aegis of the Ministry of Heavy Industries & Public Enterprises, successfully hosted the National xEV Localisation Conference & Exhibition in New Delhi on May 20, 2019.

The event centered around the FAME – 2 scheme, which promotes Faster Adoption and Manufacturing of Hybrid and Electric Vehicles and the 'Phased Manufacturing Program'. At the event, top policy makers and industry experts deliberated upon opportunities and challenges for local manufacturing of xEV components and charging infrastructure. Along-side more than 40 component manufacturing companies, showcased their latest offerings in an exhibition, at the event.

The summit was addressed by eminent personalities including Dr. Asha Ram Sihag, Secretary, Ministry for Heavy Industries & Public Enterprises (GoI), Mr. Pravin Agarwal, Joint Secretary, Ministry for Heavy Industries & Public Enterprises (GoI), Mr. Kenichi Ayukawa, Vice President, SIAM, Maruti Suzuki India Ltd., Mr. Ram Venkatarmani, President, ACMA, Mr. Harish Agarwal, President, IEEMA, Mr. Deepak Jain, Vice President ACMA and several other luminaries.

Speaking on the occasion, Chief Guest Mr. Asha Ram Sihag, Secretary, Ministry for Heavy Industries & Public Enterprises said, "We are working on the strategies to leverage the participation of all stakeholders, as well as the competitive potential in the market, to scale up the projected volumes under the Fame - 2 scheme. The subsidy is structured to cover almost 20% of the cost of electric vehicles and 40% for the buses".

Commenting on occasion, Mr. Kenichi Ayukawa, President, SIAM, said, "As an industry we are enthusiastic and dedicated towards maximum localisation of xEVs and xEV parts".

Appreciating the support provided by Government of India, Mr. Ram Venkatarmani, President, ACMA said, "The industry had been long-awaiting a stable road-map for electric mobility from the government which could enable the industry in making its own concrete plans in moving forward in this new, uncharted territory. We are indeed very delighted at the focus given towards localisation in Fame-2 with the announcement of the PMP program".

The event also witnessed intense discussions on localization of components and charging infrastructure.



## ACMA TECHNOLOGY SUMMIT & ACMA AWARDS



The fourth edition of ACMA Technology Summit was held on 29 - 30 January, 2019 in Pune. The Summit was themed 'Indian Auto Component Industry – Transforming to stay competitive'. Several technology disruptions including: newer norms on emission, safety and consumer trends towards connectivity were widely discussed. It was concluded that, for the auto industry to stay relevant & competitive, it needs to adapt & transform through systematic R&D, creation of new products and upgradation of skills.

The summit was graced by eminent personalities including Mr. Anant Geete, Hon'ble Union Minister for Heavy Industries & Public Enterprises, Government of India, Mr. Thomas Flack, President & Chief Procurement Officer, Tata Motors Ltd., Mr Ram Venkatarmani, President, ACMA, Mr. Deepak Jain, Vice President, ACMA, Mr. F R Singhvi, Chairman, ACMA Skilling & Mentoring and Mr. Vinnie Mehta, Director General, ACMA. Coinciding with the Summit, the ACMA Annual Awards were conferred, honouring excellence in Auto Component industry.

Speaking on the occasion, Chief Guest Mr. Anant Geete, Hon'ble Minister for Heavy Industries & Public Enterprises, Government of India said, "While the government is committed to introduce e-mobility in the country, the introduction would be gradual so as not to disrupt the current industry value chain".

Commenting on industry transformation, Guest of Honour, Mr Thomas Flack, President & Chief Procurement Officer, TATA Motors Ltd, said, "The auto component industry must embrace the digital revolution to stay competitive and relevant; the time has come for the industry to graduate to Industry 4.0 for better predictability and addressing customer requirements. To capitalize on the opportunity,

companies will need to shift from their traditional "disconnected" and "analogue" manufacturing methods to connected and digitized ones".

Commenting on the readiness of the value chain, Ram Venkatarmani, President, ACMA said, "While growth in the automotive industry is imminent, we however, need to ensure that the sector, especially our tier-2 and tier-3 are ready to harness newer opportunities. Tier-2s and 3s pose the single biggest challenge for us today and it is critical that they be upgraded to world-class levels of performance, especially on the front of quality, processes and delivery. Tier 1s will have to play the role of mentor and guide to this segment of the industry or else the entire value chain will collapse".

The Summit also brought together national & international specialists in the field of Industry 4.0, Telematics, innovative technologies that are shaping the automotive environment of tomorrow.

Additionally, ACMA Awards were also awarded at the Summit. This year there were 224 applicants, of this 82 winners were awarded. The winners of ACMA award also shared their success stories at the Summit.

The ACMA awards, since their inception in 1966 are the most coveted in the automotive sector. The awards, which began as a means to recognise and motivate excellence in manufacturing, have today 14 broad categories including excellence in Manufacturing, Exports performance, Technology, Quality & Productivity, HR, Health Safety & Environment, automation, digitisation, business growth, resource optimisation, to name a few. Several of these categories have been further curated to gives special focus to small and medium enterprises.



ACMA PILLAR 1

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**BUSINESS  
DEVELOPMENT**

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# PILLAR STRUCTURE



## KEY DOMESTIC INITIATIVES

ACMA Automechanika, New Delhi  
iAuto-Connect  
Reverse Buyer Seller Meet  
New Delhi Auto Summit  
ACMA Aftermarket Expo  
- North East

## KEY INTERNATIONAL INITIATIVES

Automechanika - Frankfurt,  
Dubai & Istanbul  
AAPEX, Las Vegas  
Iran International Autoparts Show

## PILLAR 1 - BUSINESS DEVELOPMENT

### INTRODUCTION

In the new organization structure, this pillar has subsumed 9 committees of ACMA that included Aftermarket, Defence and Railways, IMTMA Interface, Globalisation, MSME, OEM Interface, Raw Materials, Supply Chain, Trade Fairs and Auto Expo.

#### Activities of the organization under pillar one includes:

- Supporting members in strengthening existing business relationships and exploring new opportunities with OEMs,
- Tier 1s and Aftermarket and OES in traditional IC engine driven automotive industry.
- Organising Trade fairs such as Auto Expo, ACMA Automechanika New Delhi, Value Chain Summit, North East Expo, Tech Expo etc.
- Exploring adjacencies such as Defence, Railways, Aerospace, white goods etc.
- Organising events such as Trade Missions, Group participation at International Trade shows, Tech-shows, BSMs, iAutoConnect, etc.
- Promoting 'Make in India' and 'Brand India' in context of auto component industry through events such as 'India Day' at international trade fairs or as exclusive events.
- Facilitating global OEMs/ Tier 1 companies in investing in India as well as connect with Indian companies to expand supplier base.  
Interfacing with IPOs in India to organise specialised events like Buyers Sellers Meet / IPO Supplier Conferences to introduce new suppliers.
- Organising Experience sharing Conferences and workshops/ training programs to create awareness and addressing issues related to business development across the industry value chain as well as on Project Management
- Conducting pertinent deep dive studies including market trends, business opportunities in diverse markets and product categories, trade practices and market regulations, in context of business development.
- Engaging/ Interfacing with relevant Ministries/Government agencies/ international associates for funding support for export promotion initiatives, for studies etc.

### CROSS FUNCTIONAL TEAMS

#### Electric Mobility:

- Supporting members in exploring new opportunities with OEMs, Tier 1s and Aftermarket in new emerging segments such as xEVs.
- To promote, adopt and adapt to innovation and sustainable technologies and other changes within ACMA members.

#### MSME/ Supply Chain:

- Supporting Tier-2s/ MSMEs to scale up by connecting them to Tier-1s as well as to build a robust value chain for the industry.
- Support MSME sector in enhancing business opportunities. Also engage/ Interface with relevant Ministry for Micro Small & Medium Enterprises/ Government agencies for funding support for MSME companies.

#### Raw Materials:

- Organise interactions / visits / seminars / conferences on new technologies/ materials that are cost effective, light weighting, environment friendly and other related issues.

## ACTIVITY HIGHLIGHTS: 2018-19

### INTERNATIONAL & NATIONAL EVENTS

**6-9 August 2018 & 13-14 August 2018:** With the support from Ministry of Commerce, Government of India, ACMA organised the first ever OES Tech Expo in USA - opportunities for aftermarket sales for OEM spare components at General Motors in Grand Blanc, Daimler in Detroit, Navistar in Lisle and Meritor in Kentucky. 30 delegates from 22 companies participated at the Expo. In addition, PACCAR also organised their supplier meet from 13-15 August, 2018 in Seattle, USA with some select members of ACMA. The Expos at all the 4 OEMs met with







overwhelming response as senior purchasing, engineering and product development department attended the event with their teams and the Indian exhibitors had meaningful business meetings with them. H.E. Ms. Neeta Bhushan, Consul General of India in Chicago attended the OES Tech Exposition with Navistar on August 8, 2018 and also inaugurated the same.

**11-15 September 2018:** ACMA participated at the 25th Anniversary Year of Automechanika, Frankfurt organised by Messe Frankfurt. Fifty two members showcased their capabilities, explored aftermarket business opportunities and connected with global customers at world's leading aftermarket trade fair. The ACMA Pavilion was inaugurated by Smt. Pratibha Parkar, Consul General of India at Frankfurt.



**17-21 September 2018:** In partnership with Indversis Management Consulting (IMC), ACMA organized a 16 members delegation to Navarra & Valencia in Spain. The delegation was led by Mr. J. S. Rangar, Chairman, CFT (MSME & Supply Chain), ACMA. The ACMA Delegation was hosted by State Governments of Navarra and Valencia. Presentations were made on the Indian auto component Industry, business opportunities in India and Frenus Iruna



Brakes, a Spanish braking systems manufacturer shared their experiences in having a base in India since 2013.

At Navarra, there were 50 Spanish companies and 108 B2B meetings between the Indian and Spanish companies were held, which was followed by a visit to the Technical Centre. In Valencia, around 20 Spanish companies participated including automotive cluster companies, technological centres and government bodies and 45 B2B meetings took place. The delegation members got an excellent opportunity to not only learn about the new manufacturing technologies during the formal and informal interactions but also made key business contacts.

**26-27 September 2018:** Seven ACMA members participated at the 67th IAA Commercial Vehicles show at Hannover, Germany. The companies exhibited motors, alternators, spring bolts, bushes, axle nuts, kingpin kits, machined components, cylinder liner, induction hardened cylinder liners, trailer parts & Assemblies, all kind of bearings and mild hybrid and e-mobility products. A total of 2,174 exhibitors from around 50 countries participated at the show. The India Pavillion was inaugurated by the by Mr. Vishwajit Sahay, JS, Ministry of Heavy Industries and Public Enterprises and Mr. M L Raigar, Consul General of India, Hannover.



**20-27 September 2018:** With the objective of providing ACMA member companies a platform to showcase their product offerings and manufacturing excellence to enhance component exports, the 3rd edition of iAutoConnect: Reverse Buyers Sellers Meet was organised at Pune. There was participation from over 100 Indian auto component manufacturers and 155 international auto component





aftermarket distributors from over 45 countries. The 3 days engagement for the buyers included factory visits to showcase the growing capabilities of the Indian auto component industry and also specific b2b meetings. For the first time a software was used by the buyers and sellers to schedule their b2b meetings online through a portal which recorded a total of over 800 meetings. Apart from the visiting buyers, IPOs like Navistar, Paccar, General Motors, Magna and International OEMs like Gaz and Kamaz also visited the show and interacted with seller companies.

**30 October – 1 November 2018:** ACMA organized a group participation of members at the Automotive Aftermarket Products Expo (AAPEX) show 2018, at Sands Expo, USA. The ACMA Indian pavilion was spread across 2000 sq. ft. with the presence of 19 member companies. This premier global event represents the \$328.2 billion global aftermarket auto parts industry and features over 2,500 automotive aftermarket manufacturers and suppliers showcasing innovative products, services and technologies to over 44,000 targeted buyers.



**14-15 December 2018:** ACMA successfully organised the 3rd edition of ACMA Aftermarket Expo (North-East) at Maniram Diwan Trade Centre, Guwahati. It was organised under the aegis of Ministry of Heavy Industries & Public Enterprises (GoI) and was supported by Guwahati Motor Parts Traders Association (GMTA) & Federation of All India Automobile Spare Part Dealers' Association (FAIASPDA).

Shri Ravi Capoor, Additional Chief Secretary, Industries & Commerce, Government of Assam was the Chief Guest and inaugurated the show.



The Expo displayed capabilities and latest products from 52 auto component manufacturers. More than 1800 auto component dealers, distributors, wholesalers and retailers coming from various parts of North- east India and nearby countries like Myanmar, Nepal, Bhutan and Bangladesh visited the expo. In addition to the show ACMA, also organised training session for local mechanics and repair shop workers, to upgrade their skills and to provide them insights about new and innovative repair technology and spare parts.

**9 - 11 January 2019:** With the support of the Ministry of Commerce, Government of India (GoI) and Embassy of India in Kathmandu, Nepal, ACMA organised the first Buyers & Sellers Meet in Kathmandu, Nepal. 23 Indian auto component manufacturers participated at the show. To understand the current market trends and local consumer demand, participants visited Teku (market for Two Wheelers), Satangul / Balaju (market for Passenger and



Commercial vehicles) and Kuleshwar (accessories market). The Chief Guest, Dr. Ajay Kumar, Deputy Chief Mission, Embassy of India, inaugurated the seminar on the second day. The event was also graced by Mr. Manjeet Singh Puri, Indian, Ambassador to Nepal. The event witnessed overwhelming response, with around 150 traders, dealers, distributors and retailers from Nepal's automobile industry attending the show. Encouraging feedback was received from the participants

**28 February – 3 March 2019:** ACMA, along with SIAM, organised the second edition of the Indo-Bangla Automotive Show, in Dhaka, Bangladesh. The show was supported by Ministry of Commerce & Industry (GoI) and Indian High Commission at Bangladesh. It was inaugurated by Mr. Tipu Munshi, Minister for Commerce, Government of Bangladesh and Mr. Kazi M Aminul Islam, Executive Chairman, Bangladesh Investment Development Authority (BIDA). The event was also graced by Mr. Adarsh Swaika, Dy. High Commissioner of India at Bangladesh. Twenty Eight leading Indian component manufacturers participated and showcased their latest product at the India pavilion. Alongside, the show, one-on-one interaction was scheduled between Indian manufacturers and Bangladeshi stakeholders to set-up manufacturing units for different product categories



**14 March 2019:** On a special invite by Renault Nissan Technology & Business Centre India, (RNT&BCIPL), ACMA participated in the First Accessories Suppliers Convention, Renault Techno-center, Guyancourt, France. Turkey, India & China were the focus countries for the show where 27 automotive accessory manufacturers from across the globe participated. ACMA, along with five auto component players participated from India. Mr. Serge Khemis, Director, Accessories & Merchandising, Groupe Renault, welcomed the participants and briefed them about Renault's sourcing plans for Accessories. Subsequently various departmental heads shared presentations on aspects like - Marketing, Purchasing, Engineering, Quality and Logistics. Mr. Hakan Dogu, Director After-sales, Groupe Renault, visited and

interacted with participant. He was briefed about ACMA activities and Indian Auto Component Industry as a whole.

**23-27 April 2019:** ACMA, with the support of Ministry of Commerce & Industry, Government of India, made its maiden participation at 'Automec Brazil 2019', the 14th International fair on Auto-parts, Equipment's & Services, organised at São Paulo, Brazil. 15 Indian companies displayed their latest range products for the Brazilian Aftermarket, at the joint stand in the India Pavilion. The Stand was inaugurated by Mr. A K Chaudhary, Acting Consul General, Mr. Digvijay Nath, Consul and Mr. Christiano Branco, Commerce & Marketing Advisor of Consulate General of India. The AUTOMECEC Brazil show witnessed around 1,200 exhibitors, out of which 650 were Brazilians and 550 were from overseas.



**7-8 May 2019:** ACMA, in association with SIAM & FOURIN Inc. organized a business matching expo for the leaders of Indian Automotive Industry in Japan. The event, organized to provide an insight into 'Future of Mobility' and a glimpse on Indian automotive industry's capabilities and growth story, witnessed a gathering of over 450 delegates from the Japanese Automotive Industry. The event showcased the capabilities of Indian suppliers' in component manufacturing and to explored opportunities for Joint Venture and Technical Collaboration with Japanese counterparts in domains like Electric Vehicle Technology, Auto-electronics, Vehicle Safety, Emission Control and Anti-collision Intelligence. The Indian delegation at the match-making event comprised 18 member companies.



**22-26 May 2019:** Along with the group of leading auto component manufacturers, ACMA participated and held series of business-to-business meeting with the select companies at the 28th Autopromotec 2019 Exhibition held at Bologna in Italy. At this biennial aftermarket exhibition, participants explored business opportunities and showcased Indian manufacturing capabilities. The five day show, spread across 1,62,00 sqmt of exhibition space, brought together 1676 companies from 53 countries exhibiting over 500 product categories. The show was dedicated to showcase latest developments and technological innovation.



## DOMESTIC REGIONAL

### EASTERN REGION

**5 July 2018:** A 15 member CEO's visit was organised to Tata Hitachi, Kharagpur. The objective of the plant visit was business development and sharing of best practises. Mr. Sandeep Singh, Managing Director, Tata Hitachi along with the senior management team of Tata Hitachi explained different aspects of the Tata Hitachi Kharagpur plant. This is the only construction equipment manufacturing facility in India that has an Electro – Deposition Coating paint shop. A vendor park has also been strategically developed at Kharagpur adjoining the plant. Mr. Sanjay Sabherwal, Managing Director, Metaldyne Industries Ltd and Chairman ACMA (ER) gave a short presentation about ACMA, its activities and services. He also touched upon the state of the industry and the forecast as per the automotive mission plan 2016-26.



**9 July 2018:** The annual meet and interaction with Mr. Nirmal K. Minda, President, ACMA, with the eastern region members was held at Hotel ALCOR, Bistupur, Jamshedpur. Mr. N. K. Minda stressed on the restructuring of ACMA to help guide and service its members in a better way. While discussing all the pillars in detail, Mr. Minda discussed the

international missions, Auto Expo components, Reverse Buyer-seller meet, Tech Expo with Hundai, Maruti, Ford & Tata Motors and informed how ACMA exceeded the expectations of members in every event. 30 MDs/CEOs attended the interaction.



**20 December 2018:** An annual meet and interaction with the new President and Vice President was organised in Jamshedpur. Mr. Ram Venkataramani, President ACMA, thanked the members for electing him as President and reposing faith in his leadership. He further shared, the restructuring exercise of ACMA with the members, which has streamlined ACMA activities to meet the requirements of members, operation in a dynamic environment. Presenting the performance of industry, Mr. Ram Venkataranani, said despite significant challenges and uncertainties on the regulatory and technology front, the automotive industry in our country continues to do well. Mr. Deepak Jain, Vice President, ACMA, elaborated upon cross-functional teams under business development, who are working with the focus on electric mobility, MSME's and Supply Chain development for raw material. A total of 43 MD's, CEO's and Plant Heads attended the interaction.

### NORTHERN REGION

**21 December 2018:** A plant visit to Mahindra & Mahindra (Swaraj Div.) and Gilard Electronics Pvt. Ltd. for the members of Northern Region was organised in Mohali. Mr. J S Rangar, Chairman, ACMA - CFT (MSME & SC) led the 13 member's delegation, with the aim to expose member companies, understand and learn from experiences and journey toward digitization by the respective companies. Mr. Jitender Gujral, Vice President (Manufacturing), M&M, facilitated the delegates along with his team. In the other visit, Mr. Sanjiv Singh Sethi (Director), Gilard Electronics, welcomed the delegates at their facilities. He took the delegates to Gilard's Design and Development center. The members were impressed to see the well maintained shop

floor and tremendous work done towards increasing productivity and digitization at both the premises.



**8 February 2019:** ACMA together with SIAM, released the findings of the study 'Digital Transformation Roadmap for India's Automotive Industry', by A.T. Kearney. The study focuses on developing a transformational roadmap to adopt digital technologies in the automotive industry across the value chain, products and the industry ecosystem. It identifies 11 technologies relevant to the automotive industry in terms of their applications and scale of impact on the automotive value chain and products. The report also presents specific short, mid and long-term action points for companies, industry bodies, government as well as the entire automotive ecosystem.



**28 February 2019:** The 3rd Workshop on 'Strategic Roadmap for International Business Development & Technology Acquisition (OE & Aftermarket)' was organised in New Delhi. The workshop by Grant Thornton, was held to provide an opportunity for the member companies, to get a



perspective on the various strategic ways of increasing

international business and technology acquisition for Indian auto component suppliers.

**8 March 2019:** A knowledge sharing session on Credit Solutions, Business Structuring and Wealth Structuring (personal assets protection, succession planning etc.) was organised in New Delhi. Mr. Deepak Chopra, Chairman, NR, informed that ACMA has taken a keen interest in enlightening its membership about 'Financial Engineering' as this is a challenge as well as an opportunity for the industry. In the first session, a detailed report on Impact of Digitization, Structured credit solutions, Debt and Equity, Unsecured Lending, Mezzanine debt, Priority debt, interim funding, Corporate finance and Promoter financing was presented. In the second session a holistic view on Understanding Financial Reports and Financial & Operating Ratios by; Balance Sheet, Profit & Loss Account, Cash Flow and Financial Operation, was provided. The final session was on Internal Group Reorganization, Structure (Company v/s LLP), Consolidation of entities, Cost Saving, Segregation of Business, Value Unlocking, Structuring of (Acquisition & Divestment) and Changing Customer requirements

**2 May 2019:** The 6th MSME Summit on 'Enabling Environment for Global Leadership in Automotive Manufacturing' was organised at New Delhi. Addressing the participants Mr. Ram Venkataramani, President, ACMA talked about the performance of the vehicle industry in 2017-18. Welcoming the participants and panellists, Mr. JS Rangar, Chairman, ACMA CFT on MSME & Supply Chain stressed on the need for Indian auto component industry to address global markets and accept competition in its own markets. The Inaugural Session was followed by sessions on



ACMA PILLAR 1

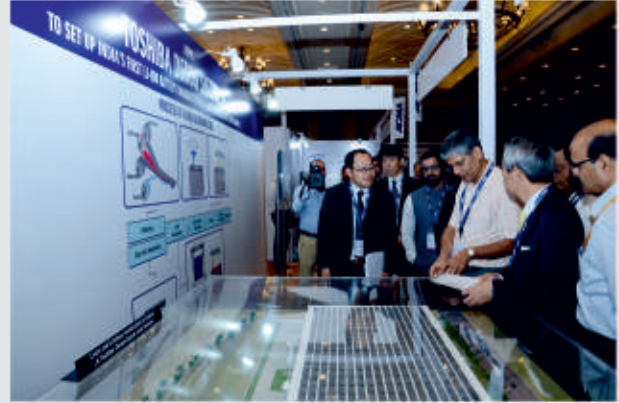
'Towards an enabling environment given the industry Constraints & Challenges' and 'Preparing for the Future'. The deliberations at the summit were very educative, informative and highlighted the opportunities and challenges in the sector with a focus on MSMEs.

**15 May 2019:** ACMA, along with SIAM & IEEMA under the aegis of the Ministry of Heavy Industries & Public Enterprises organised conference cum exhibition on Localization of xEV Components & Charging Infrastructure – Opportunities & Challenges on 15th in New Delhi. The event, which centred around FAME-II scheme and 'Phased Manufacturing Program' also had an exhibition on the manufacturing capabilities by the domestic component Industry for e-vehicles. The summit was attended by Dr Asha Ram Sihag, Secretary, Ministry of Heavy Industries and Public Enterprises; Mr. Pravin Agarwal, Joint Secretary, Ministry of Heavy Industries and Public Enterprises; Mr. Kenichi Ayukawa, vice-president, SIAM and MD, Maruti Suzuki India; Mr. Ram Venkataramani, President, ACMA; Mr. Harish Agarwal, President, IEEMA; Mr. Deepak Jain, Vice-President, ACMA and several other luminaries. Appreciating the support provided by the government of India, President ACMA, Mr. Ram Venkataramani, emphasized that "the industry is delighted at the focus given towards localization in Fame-2 with the announcement of the PMP program." The event was a huge success with forty companies displaying their products and technologies and with registration of more than 450 delegates.



## SOUTHERN REGION

**21 July 2018:** The latest edition of the ACMA-Toyota Invitational Golf Tournament was held on in Bangalore. The tournament was held at Prestige Golfshire and 92 golfers participated including senior management officials from Toyota Kirloskar Motor Pvt. Ltd., Volvo Buses India, Kia Motors India, Tata Motors, Meritor India from OEMs, senior Govt. Officials, Executive Committee Members, Members from across the Regions and Invitees. The event provided excellent networking and relationship enhancement opportunity amongst the golfers.



**21 September 2018:** In relation to ACMA National Stake Holders Conference on Re-Calibrating E-Mobility, a visit to Mahindra Electric Mobility Ltd was organised. The interaction from the Mahindra Electric team was led by Mr Mahesh Babu, CEO, Mahindra Electric. Mr Nagaraju Srirama, Member, Regional Committee, ACMA Southern Region and President & Director, J K Fenner (India) Ltd led



the delegation to Mahindra Electric. The Electric Vehicle plant was IGBC Platinum rated, which included solar trees and had captive power of 75 KW. 24 members attended the enriching event, where it was highlighted that entering into EV's should be a long drawn and strategic investment and companies should not look at ROI in the near future.

**21 December 2018:** An Interactive Workshop on Strategic Roadmap for International Business Development and Technology Acquisition was held at ACMA office in Chennai. The objective of the program was to provide inputs to increase foot-prints and exports by Indian component suppliers through mergers, acquisitions, alliances and joint ventures. Top competitors for Indian suppliers was also highlighted with statistics of imports by the respective countries under the study. Typical aftermarket products, key product category and top sellers in each country was informed about. The study helped understand the key challenges and gap for Indian component suppliers. In all 19 participants from 15 companies, participated in the Workshop.



**22 January 2019:** The annual Interaction with Mr. Ram Venkataramani, President, and Mr. Deepak Jain, Vice



President (ACMA) with its members was held in Chennai, to discuss, share and exchange feedback on the industry and the services provided by the Association. Addressing the members, Mr. Venkataramani, mentioned that ACMA, has been at the forefront to provide new and innovative services to its members. He urged members to actively participate in the services rendered by ACMA. He further informed them about restructuring activities being concluded in ACMA, in which 22 sub-committees have been incorporated into five pillar, for efficient and innovative working.



**26-27 February 2019:** A two-day long conference was jointly organized by ACMA, CII, MOHI, SIAM & SMEV to address the 'Future Mobility' in Bengaluru. The conference was focussed on issue like; Make in India, Manufacturing hub for Auto Industry, Policy Framework for India's Mobility Sector, Responsible Mobility, Building a sustainable ecosystem and Digital solutions for Future Mobility. Mr. K J George, Hon'ble Minister for Large & Medium Scale Industry, Government of Karnataka, inaugurated the



coveted show and informed the audience that Karnataka has released State Policy on Electric Mobility, to make Karnataka a preferred investment destination for manufacturing of EV and to promote a conducive manufacturing ecosystem in collaboration with the industry. A total of six component suppliers showcased latest offerings.

**12 February 2019:** In partnership with Tec-Alliance, ACMA produced the 'Global Aftermarket Catalogue' to strengthen the aftermarket footprint of Indian Auto Component Manufacturers in Chennai. Tec-Alliance a pioneers in 'Automotive Aftermarket digitization solutions' by cataloguing will help the component manufacturers to reach out the OEM's internationally. It will also enable them to match the aftermarket standards with data consistency at all levels, including demand-chain to make it more transparent and efficient.

### WESTERN REGION

**30 August 2018:** A visit and interaction was organised with Mahindra Vehicle, Chakan, Pune, where 19 delegates from 12 ACMA member companies participated. Mr. Shashank Raodeo, Sr. GM -SCM, Chakan Plant made a brief presentation mentioning his company's focus on 5Vs - Value, Volume, Variety, Velocity and Visibility.



**18 November 2018:** The 6th edition of invitational golf tournament & networking dinner on was held at Oxford Golf & Resorts, Pune. OEMs, ACMA Members and eminent Golfers from various parts of India participated in the event. In all 76 Golfers played at the tournament.



**18 November 2018:** The interactive session with President & Vice President was organised in Pune. Mr. Ram Venkataramani, President, ACMA shared the restructuring exercise of ACMA with the members that has streamlined





ACMA activities to meet the requirements of members operating in a dynamic environment. Presenting the performance of the industry, Mr. Ram Venkataramani said despite significant challenges and uncertainties on the regulatory and technology front, the automotive industry in our country continues to do well.

**30 November 2018:** The first ever ACMA-Volvo Eicher Tech Show was organised in VECV premises at Pithampur. Twenty three companies participated to showcase their products to VECV Pithampur. The technology show was inaugurated by Mr. Rajinder Singh Sachdeva, Chief Operating officer, VECV. The senior management of VECV from Purchasing, Product Design, Research & Development, Manufacturing, Strategic sourcing, Quality Control Assurance, Warranty, Validation and Service visited and interacted with all the participants at the Tech show.



**13 December 2018:** An Interactive Workshop was organised on Strategic Roadmap for International Business Development and Technology Acquisition (OE & After Market) at the ACMA office in Pune. The workshop, in collaboration with Grant Thornton presented the synopsis of the study conducted by Grant Thornton, India, and was released at the ACMA's Annual Session in New Delhi earlier in September, 2018. Apart from background of study and key observations, business opportunities and challenges for component industry was also shared at the workshop. 39 senior executives attended the workshop.

**27 February 2019:** In association with MCX IPF, a workshop on 'Price Risk Management in Base Metals Market' was held in Pune. It is imperative that the effective

commodity price risk management and good financial reporting in terms of risk disclosures is necessary to create a robust business environment. It is also mandated by the Statutory Bodies and Regulators to fulfil certain standards like; listing of 'Obligations and Disclosure Requirements' Regulations, 2015, which require the listed companies to disclose the information related to commodity price risk in their Annual Report. The workshop was aimed to create awareness among the members and other key stakeholders on these issues. They were informed about the importance of hedging and how they can protect themselves from market price risk exposure, through commodity derivatives and hedge accounting practice (LODR and Ind-AS).

**14-15 March 2019:** A two-day long workshop on 'Project Management Awareness Training' was conducted at the ACMA Office in Pune. Mr. B K Bose conducted the training and informed the audience about the fundamentals of 'Project Management'. The definition of project's unique process consisting of a set of coordinated and controlled activities with start and finish dates was explained with the stress on achieving objectives conforming to specific requirements including; constraints of time, cost, quality and resources.

**20 March 2019:** The 2nd edition of ACMA/TATA Motors Tech Show was held at TATA Motors, Training Division Hostel in Pimpri, Pune. More than 20 companies displayed their manufacturing capabilities in the areas such as breakthrough design, enhancing fuel efficiency, safety etc. In his address Mr. Thomas Flack, Chief Purchasing Officer, TATA Motors appreciated ACMA's initiative to organize such a unique program. He termed it as win-win for both, ACMA members and Tata Motors. He urged the participants to focus on rapid changes and advancement of technology to stay relevant in the current business scenario.

**27 April 2019:** An interactive session was organised with the Madhya Pradesh (MP) Automotive Industry, where the component suppliers in MP were informed about the ACMA office in Indore and the Services & Activities that will be held in MP. 69 people from member, non-member and OEMs participated in the event. OEM's included VECV, Force Motors, Mahindra 2 wheelers & John Deere

**17 May 2019:** A Road show with the 'ACMA Safer Drives' campaign comprising select ACMA brands to spread the message of 'Safety is Critical' was organised at Pune Transport Nagar, a captive service market for Commercial Vehicles. The event was attended by key administrative authorities including Commissioner of Police and Assistant Commissioner of Police, Pimpri-Chinchwad, Senior officials from PMPML and CIRT visited the event & voiced all support to ACMA's endeavours.



ACMA PILLAR 2

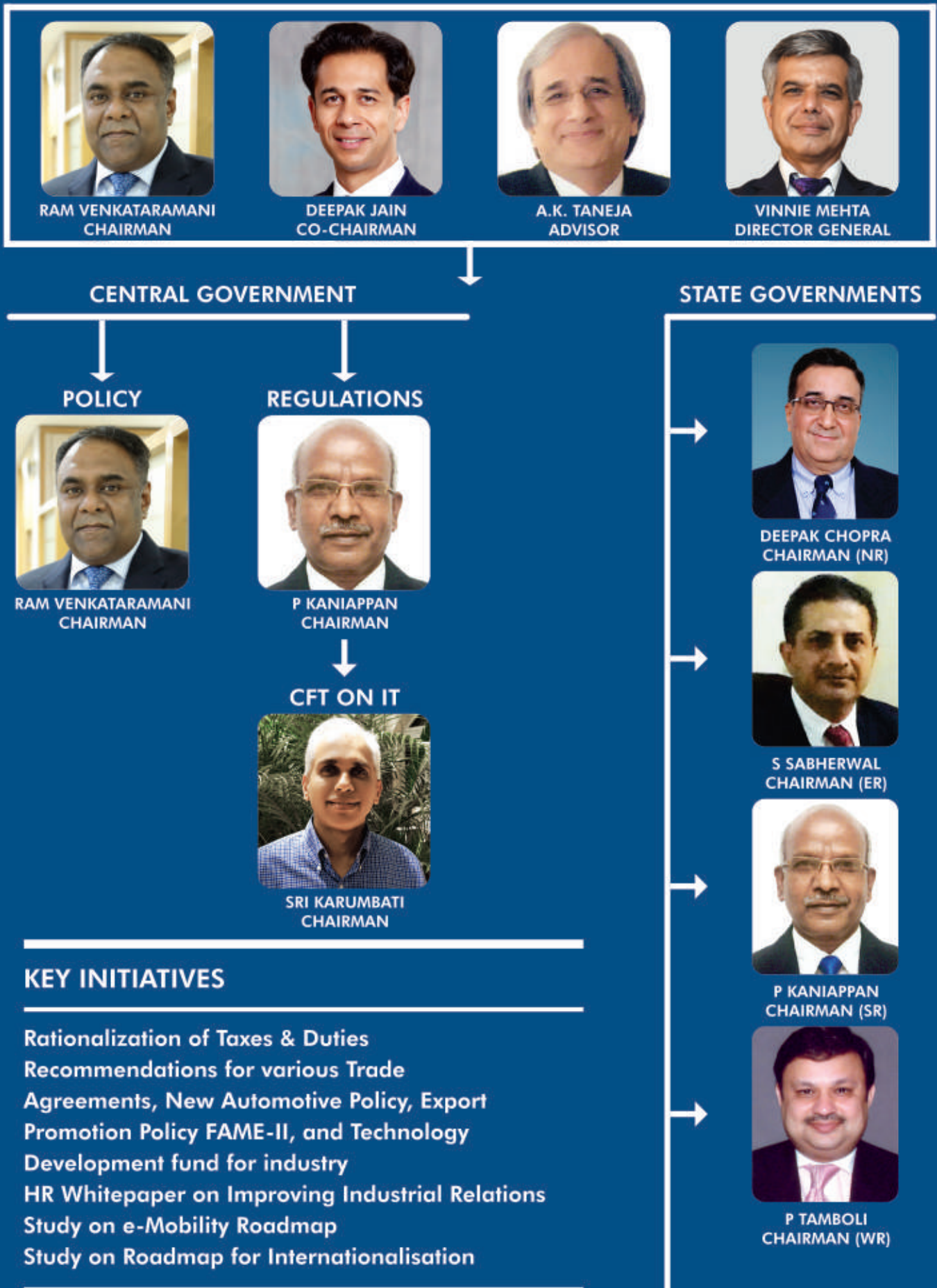
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**GOVERNMENT ADVOCACY  
REGULATORY &  
RESEARCH**

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# PILLAR STRUCTURE



## PILLAR 2 - GOVERNMENT ADVOCACY, REGULATORY & RESEARCH

### INTRODUCTION

In the new organization structure, this pillar has subsumed 9 committees of ACMA that included Aftermarket, Defence and Railways, IMTMA Interface, Globalisation, MSME, OEM Interface, Raw Materials, Supply Chain, Trade Fairs and Auto Expo.

**The main activities of the pillar includes interface with Central Govt. departments and State Government which is led by Regional Secretaries and Regional Chairmen; Interface with Central Government which is further sub-divided into Public Policies, Regulations and Taxation and Research work.**

#### The objectives of the pillar includes:

- Proactive engagement with Ministries in Central Government
  - Development Council for Automobile and Allied Industries (DCAAI), DHI
  - National Automotive Board, DHI
  - Inter-Ministerial Groups (IMGs)
  - Fiscal Policy and Direct & Indirect Tax Matters, MoF
  - Foreign Trade Policy, Export Benefits and related matters, MoC
  - W.T.O. and related matters, MoC
  - Trade Negotiations, MoC
  - Provide support and guidance to Regional Offices and other departments on specific issues related to Central Government
- Policies update to ACMA Members
- Addressing industry concerns to the Government
- Interaction with the Industry/trade associations such as CII, FICCI, ASSOCHAM, SIAM and IMTMA,
- Knowledge Building
- Supporting regions to address ministerial matters at the Central Government
- Escalating matters related to GST, Direct Tax and Custom duties etc. with concerned Ministries
- Annual Submission of Pre-Budget Memorandum to Ministry of Finance, DHI, DIPP and Industry Associations

#### ROADMAP FOR 2018-19

- Regular Interface with MoRTH on Regulatory affairs to ensure views of Auto Component Industry are considered
- Drafting guidelines for enforcement of standards to parts sold in aftermarket
- Regulatory Roadmap for Future Technologies
- Participation at SIAM Clean Fuel technology Forum... support be extended to SIAM
- ACMA to interface with MoRTH while highlights pros and cons associated with inception of technologies such as Job Losses, increase in imports etc.
- Awareness Sessions on new technologies & conducting conferences for membership

- Keeping membership informed of impending changes on Technology, Safety and Regulatory matters

## ACTIVITY HIGHLIGHTS: 2018-19

### REGIONAL

#### NORTHERN REGION

**23 June 2018:** A zonal members' interaction was organised with the local Government officials of Gurugram including Mr. Yashpal Yadav-HCS, Commissioner Municipal Corporation Gurugram; Mr. Hira Singh Additional Commissioner Traffic Police; Mr. Sandeep K Malik, Additional Commissioner Traffic Police; Mr. Dharmvir Singh, Assistant Commissioner Police – Manesar; and Mr. Anil Goyal Superintending Engineer DHBVN. During the meet, Mr. Kiran Deshmukh, ACMA NR Gurugram/Manesar Zonal Coordinator emphasized that the objective of the meeting was to build stronger relations of ACMA Zonal representations with the government bodies of the zone and to showcase the members' capabilities. Addressing the participants Mr. Yashpal Yadav, Deputy Commissioner, Municipal Corporation Gurugram, urged ACMA to take initiatives in helping the government in stopping violations. Speaking at the Interactive Session, Mr. Hira Singh, ACP Traffic, stated that for a proper functioning of transport system in Gurugram, he would ensure multiple parking space.

**27 June 2018:** A zonal members' interaction was organised with the Government officials of Faridabad/Palwal including Mr. Man Mohan Garg, Deputy Mayor of Municipal Corporation of Faridabad, Mr. B Kardam Ex. Engineer, MCF, Mr. Ravi Sharma, Assistant Engineer, MCF, Mr. Shyam Singh, Ex. Engineer, MCF; Mr. Naval Singh, Assistant Engineer, Mr. Deepak Kinger, Ex. Engineer, MCF and Mr. Surinder Khattar, Assistant Engineer, MCF. Mr. Abhimanyu Sharaff, ACMA NR Faridabad/Palwal Zonal Coordinator, addressed the gathering and



mentioned that the objectives of the meeting was strengthen relations of ACMA zonal representations with the government bodies and to also showcase ACMA member's strengths and capabilities. He also acknowledged and thanked Faridabad government officials for their support to the local auto component industry.

**19 February 2019:** The first IT Regional forum meeting was held at Minda Industries, Manesar. The Forum was addressed by Mr. Parna Ghosh, Convenor of ACMA (NR). The members deliberated on various IT initiatives undertaken at their own respective companies. It was decided among the members that the discussed best practices will be emulated in their respective regions and companies.

## SOUTHERN REGION

**23 June 2018:** In order to get garner greater understanding and gather perceptions and views from various stake holders in the value chain, a National Stakeholders Consultation Conference on Re-Calibrating E-mobility was organised at Bangalore.



Welcoming the participants, Mr. Navin Paul – Conference Chairman mentioned about the Dipstick survey conducted by ACMA to understand the views and concerns in the E-mobility space of the component industry and the way-forward in the electrification journey for ACMA members and other important stakeholders. Mr P Kaniappan, Chairman of ACMA – Southern Region mentioned that the Auto industry is globally going through a lot of major transformation with lot of disruptive changes taking place



like Autonomous, Connected vehicles and E-mobility. Govt. Officials from AP and Telangana shared their perspectives on future of mobility and EVs. Mr Jeffrey Jacob- Partner – Roland Berger made a presentation on the study conducted by ACMA on Opportunities for component manufacturers on xEVs.

The Conference saw over 129 participants from the automotive, component, government and the academia, attending the event.

**15 March 2019:** An interactive session with the Andhra Pradesh Economic Development Board (APEDB), Govt. of Andhra Pradesh and Executive Committee members of ACMA was organised at Vijayawada. The objective was to brief the industry members on the opportunities, investment climate and ease of doing business in Andhra Pradesh (AP). Mr. J Krishna Kishore, CEO, APEDB made a presentation on





AP's progress after the creation as new State with the focus on the Industrial development, specific to auto sector and also shared the Isuzu and Kia Motors journey in the State. Mr. Kishore invited all the ACMA members to consider Andhra Pradesh for investment purpose and build a strong OE support base in the State. Ms Divya, (AD) from Andhra Pradesh Capital Region Development Authority (APCRDA), made a presentation on Amravati, the Capital of Andhra Pradesh highlighting its advantages and progress of the new State Capital, which is inspired by Singapore and will be planned as one the SMART cities in India. Mr. Ram Venkatramani, President, ACMA & Mr. P Kaniappan, Chairman, Southern Region along with other Executive committee and the Regional Committee members attended and interacted with the Govt. Officials.

## WESTERN REGION

**7 August 2018:** In order to deliberate on regulatory environment related to vehicular safety, a National Conference was organised in Pune. The conference saw three knowledge sessions with the presence of stakeholders such as OEMs, SIAM, ARAI, Nomura Research institute and auto component industry.



In her Keynote address Mrs. Rashmi Urdhwarshre, Director, ARAI highlighted that the opportunities for Vehicular Safety starts with a good transport system in the country. Regulations such as BSVI and scrapping 20 year old vehicles are significant steps towards vehicular safety. Mr P Kaniappan, Chairman TSR Committee, ACMA mentioned that the Vehicles, over the years, have undergone tremendous technical advancements, in terms of structural designs. Rapid Innovations in material and technologies, have made the vehicles significantly safe, robust and lighter.

Going forward, the trend was for smart highways with intelligent transport systems and autonomous vehicles.

**10 May 2019:** An awareness session on 'Central Excise issue related to Drawings & Designs providing by OEMs to Component Manufacturers on free of cost' was organised at Pune. The session was conducted by Mr. Puneet Bansal and he mentioned that in the automobile sector, OEMs get components manufactured from third party (Component Manufacturers) generally on principal to principal (P2P) basis. OEMs provide specifications of the component vide documents/electronic form. He further elaborated the role of Directorate General of Goods and Services Tax Intelligence (DGGI). Several key issues were explained in terms of legal jurisprudence.



**15 May 2019:** In collaboration with CFT (IT) and SIAM, a 'Conference & Technology Display on Digital Transformation in Auto Industry' was organised in Pune. The Conference focused on various digital solutions that could drastically impact and benefit the auto industry. During the event finding of the study, instituted by SIAM/ACMA on Digital Transformation Roadmap, was also unveiled by Mr. Rahul Mishra, Principal, A.T. Kearney. He highlighted that digitization was the future of the industry and one should start at the earliest to reap its benefits.



The study further highlighted that the future automobile industry as a whole is being impacted by digital technologies. Mechanical components are being replaced by electrical and electronic subsystems. Vehicles are becoming computers on wheels, some with 100 million lines of software code which is eight times that of a modern aircraft.

ACMA PILLAR 3

**SKILLING, EDUCATION  
& MENTORSHIP**





# PILLAR STRUCTURE



## KEY INITIATIVES

ACMA Centre of Excellence  
 6 ACT Cluster Programs  
 ACMA-UNIDO-DHI Cluster Program  
 Capacity Building at Intn'l Institutes  
 - AOTS, Cardiff, VDA  
 Engineering Excellence Cluster  
 18 Cluster Programs  
 QC, Kaizen, Six Sigma, Poke Yoke &  
 SMED Competition

Annual HR Conclave  
 (West+North)  
 HR Best Practise  
 Sharing (9 Corp.)  
 Compensation  
 Survey  
 ACMA Awards  
 Break Through  
 Innovation

International Mission to  
 Japan  
 Interaction with Women  
 Entrepreneurs  
 Domestic OEM Missions  
 (West, North & South)  
 Safety

## PILLAR 3 - EDUCATION, SKILLING, TRAINING & MENTORSHIP

### INTRODUCTION

#### The objectives of the pillar includes:

- To engage with all ACMA members to
  - assess and certify
  - Support to achieve improvements from current status to reach to higher levels.
  - ACMA buyers guide to include ratings of the membership
- Engage with OEMs / Tier-1 companies to ensure that the entire supply chain is enrolled in ACMA cluster programs and support them to achieve higher efficiencies and effectiveness in value chain.
- Bring Membership development activities on surface by use of digital media
- Mentor young talent to make them leaders for tomorrow
- To organise and drive Clusters/ Trainings/ Summits /Conferences (National/ Regional) for understanding challenges and how to best leverage Operational Excellence, Future Manufacturing Technologies
- International trainings
- Create and expand pool of experts in every business function that will enhance business growth of membership
- Create Center of Excellence in all 4 regions to develop skill and talent across PAN India and support membership across India
- Design and develop programs, training and skill development activities
- Support Indian Governments vision of Skill India in Auto sector.
- Streamline Trainings / Certification / Competitions across PAN India to cover needs of entire auto sector governed through single window of ACMA Pillar 3
- Connect Nationally / internationally with various relevant institutions/ associations for benchmarking skill and education
- Engage with institutes to create industry ready students
- Recognize membership through ACMA Awards or other methods

### ACTIVITY HIGHLIGHTS: 2018-19

#### REGIONAL

##### EASTERN REGION

**6 June 2018:** A session on Problem solving was organized at the Centre for excellence, Jamshedpur. The objective was to learn how to define the cause of the problem, identify it, prioritize it and select alternatives for a solution and finally implement the solution. The faculty for the program was Mr. Ashish Tripathy, Group leader- Product Engineering- Tata Cummins Private Limited, Jamshedpur. The program was well attended by 36 delegates.



**10 August 2018:** A workshop on Cost Reduction was organised at Jamshedpur. The objective of training was to eliminate unnecessary process steps, inventory, components and warranty work and understand key solutions that help reduce expenses, increase productivity and provide overall systems savings. Mr. Ranjan Vasishtha, a Lean Expert, was the faculty. The program was attended by 34 delegates.



**2 September 2018:** A session on Advance Product Quality Planning (APQP) and Production Part Approval Process (PPAP) was organised at Centre for Excellence, Jamshedpur. The objectives of the training was to provide a fundamental understanding of the language that guides APQP efforts, use APQP strategies to determine where to assess special characteristics and use APQP as a means to achieve robust capable processes for special characteristics. There were two faculty members – Mr. Jagdeep Singh, General Manager, Supplier Quality Improvement and Ms. Tripti Khalkho, Executive Manager, Black belt Six Sigma, Tata Cummins Ltd. JSR. The Session was attended by 43 delegates.



**6 October 2018:** A session on "Occupational Health & safety Management" was organised at the Centre for excellence, Jamshedpur. The aim of the program was to safeguard productivity of employees, maintain employee's health, eliminate any possible danger and promote

workplace processes. Mr. Ajay Ranjan, Executive Manager – HSE, Tata Cummins P. Ltd, Jamshedpur was the faculty. The group exercise given to all the delegates was very beneficial as it gave them a practical approach about the LOTO process. The program was attended by thirty five delegates.



**22 November 2018:** An Interaction of the Eastern Region Members with the IPO Forum was organised at J W Marriott, Kolkata. The objective of this interaction was to showcase the potential of the eastern region members to the IPO forum, change their mind set about the poor perception of the vendor base present in the region. The interaction was to ensure that the participating member companies get an opportunity to enhance their business and strengthen their linkage with IPOs. Mr. Sanjay Sabharwal, Chairman, ACMA(ER) welcomed all delegates. There were ten IPOs present namely, Meritor, Navistar, AAM, Paccar, Isuzu, Polaris, Volkswagen, FCA, Magna and Magneti Marelli.



**24 November 2018:** A training session on Kaizen and its sustenance post implementation was organised at the Centre for excellence, Jamshedpur. Mr. Ashish Tripathy, Group leader- Product Engineering & Mr. Ashwani Kumar, DGM- Kaizen, from Tata Cummins Ltd. Jamshedpur were the faculty. Thirty nine delegates attended the session.



**10 January 2019:** A visit to Tata Cummins P. Ltd. Jamshedpur was organised with the objective of the visit was to explore business opportunities and sharing of best practices. Mr. Manish Jha, Director (Supply Chain) along with his team, welcomed ACMA delegation and gave detailed description about the plant and their vendor base. The delegation was headed by Mr. Sanjay Sabharwal, Chairman, ACMA (ER), who gave detailed presentation about ACMA's initiatives and its activities for the host. The objective of the visit was to re-connect with TCL; to learn the best practices; business development opportunities for ACMA members and the facilitation role which ACMA could play to connect the two. Twenty Two MD's/CEO's and Plant Head from the member companies visited the Plant.



**12 January 2019:** An in-house training program on Critical to Quality (CTQ) Tree and DFMEA for the employees of Emdet Jamshedpur Pvt. Ltd. Was organised in Jamshedpur. Mr. Ashish Tripathi, DGM, Product Engineering TCPL, Jamshedpur was the faculty for the training session. He also shared the AIAG model for quality planning. Seven employees of Emdet Jamshedpur attended the session.



**20 February 2019:** A day-long session on 'Effective Communication' was held at the Centre for excellence, Jubilee Road, Jamshedpur. The objective of this training was to teach employees the basics of effective workplace communication. The faculty for the session was Mr. Vinay Pandey, a certified Executive Coach from Potentia-Roche Martin, an alumnus of IIM Ahmedabad. The program was designed in such a way that both classroom teaching, audio-visual aids, activities and written exercises were all involved. In all 23 delegates attended the program.



**11 March 2019:** The Annual Interaction of its members was organised, in Jamshedpur. Mr. Sanjay Sabharwal, Chairman, ACMA-ER welcomed everyone and detailed the members about the activities done by the region in the last quarter. He also took feedback from the members regarding the programs conducted. Mr. Sampat Kumar, Plant Head, TML, who superannuated on 30th April 2019 was also facilitated for his decade's long services for the Tata Motors during the interaction.



**17 April 2019:** A Poka-Yoke competition was organised at Centre for Excellence, Jamshedpur. The objective of the event was to make delegates understand how to achieve zero defects and make it work right for the first time itself. Mr. Subir Ganguly, Mechanical Engineer from IIT (BHU) took the session as the faculty. The program was attended by 35 delegates.



**10 May 2019:** The 7th Kaizen competition was organised in Jamshedpur. The Chief Guest for the competition was Mr. Manas Mishra, Head M&HCV, Development Product line, CVBU, Tata Motors Ltd and the guest of honour was Mr. Rajiv Bansal, Head SCM, CVBU, Tata Motors Ltd. JSR. 30 kaizen presentations and 37 viewers from member companies participated during the event in two categories - Kaizens from companies having turnover of more than 100 crore and less than 100 crore. A



Special Award for Kiswok Industries P. Ltd. was announced by Mr. Bansal for their Kaizen presentation on reduction of usage of plastic in packaging to protect environment.

### NORTHERN REGION

**5 June 2018:** A training program was conducted for members of the Ultrakhand zone on Time Management & Goal Setting at Rudrapur. The objective of this training was to understand time optimisation that enables one to work smarter – during stressful hours. Dr P C Srivastava, Business coach & Corporate Trainer, was the faculty for the training program.



**8 June 2018:** A training program on Labour Laws for HR & Non-HR Professionals was organised with Mr. Rakesh Seth as faculty who possess more than four decades of experience in many industries.



**15 June 2018 & 20 June 2018:** An in – house training program was organised on Advanced Excel at New Delhi. The objective of the program was to understand higher functions of excel, to perform the most advanced calculations and functions, manipulate data using pivot tables and 'advanced' analysis, record macros and integrate with other office applications and have better analytical skills. The faculty for the training was Mr. Pradeep Agrawal. A similar program was held on 20th June 2018 at Minda Corporation Ltd.



**20-21 June 2018:** A two day In – House training program on "Advanced Excel" was organised at Varroc Engineering Pvt. Ltd. The objective of the program was to understand higher advanced calculations and functions. The faculty for the training was Mr. Pradeep Agrawal.



**25 June 2018:** An in-house training program was organised on supervisory development program in Auto Comp Pvt. Ltd at Ludhiana. This training is designed to enable a new supervisor or team leader to effectively make the transition from being a member of a team into a role of



added responsibility, giving them the skills needed to prepare for and make this change as painless as possible. The faculty for the training was Mr. Ranjan Vasishtha.

**3 July 2018:** The 15th Quality Circle (QC) Competition was held in New Delhi where 75 teams from ACMA Northern Region membership participated comprising more than 500 delegates. Welcoming the Jury members, participating teams and the delegates, Mr. Deepak Chopra, Co Chairman- ACMA Northern Region emphasised on the benefits of Quality Circles which have been a successful tool for problem solving and team building in many companies. After completion of presentations by all the 75 QC teams, Mr. Sunil Kakkor Executive Director – SC, Maruti Suzuki India Ltd. and Chief Guest addressed the gathering at the valedictory ceremony.



**10 August 2018:** A training program for members of the Uttarakhand zone on work place communication & effective was organised at Rudrapur where Ashima, a Corporate Trainer, was the faculty.



**18 August 2018:** An in-house training program on Problem Solving Techniques was organised at Minda



Industries Ltd. (Acoustic Division) – Manesar. Problem solving is one of the keys to a successful lean implementation

**23 August 2018:** A training program on Performance Monitoring & Balance Score Card was organised at New Delhi, which aimed to provide a more comprehensive view to managers by complementing financial measures with additional metrics that gauge performance in areas such as customer satisfaction and product innovation. The faculty for the training was Mr. Shalabh Capoor.

**31 August 2018:** An in-house training program on Problem Solving Techniques was held at Rockman Industries Ltd. – Bawal. Problem Solving processes benefit from rich data that captures multiple perspectives on a problem.



**11 September 2018:** An in-house training program on Failure Mode Effect Analysis was organised at Rockman



Industries Ltd. – Ludhiana. The objective of the program was to identify potential failure modes and their causes, assess risk associated with the identified failure modes, carry out corrective actions to address the most serious concerns, design FMEAs to improve manufacture process, develop preventive maintenance plans for in-service machinery and equipment and develop online diagnostic techniques. Mr. Vinod K Pandita, was the faculty for the training program

**18 September 2018:** An in-house training program on Daily Work Management (DWM) was held for members of Delhi NCR zone. DWM is the system that provides the ability to manage departments, functions, and processes, wherein processes are defined, standardized, controlled, and improved by the process owners. Mr. Ranjan Vasishtha, ex-DGM, Maruti Suzuki India was the faculty for the training program.



**24 September 2018:** An in-house training program on Safety was held at Rockman Industries Ltd, Ludhiana. Such an effective training program can reduce the number of injuries and deaths, property damage, legal liability, illnesses, workers' compensation claims, and missed time from work. An effective safety training program can also help a trainer keep the required OHSAS (Occupational Safety and Health Administration)-mandated safety training courses organized and up-to-date.



**4 October 2018:** A training program was organised on Advanced Excel at Pantnagar. The objective of the program was to understand higher functions of Excel, perform the most advanced calculations and functions, use pivot tables and 'advanced' analysis, record macros and integrate with other office applications. The faculty for the training was Mr. Pradeep Agrawal.



**5 October 2018:** An in-house training program on Problem Solving Techniques was organised at Best Koki Automotive Pvt. Ltd., Gurugram. The training session on 8D (Eight Disciplines of Problem Solving) aims to find the root



cause of a problem, develop containment actions to protect customers and take corrective action to prevent similar problems in the future. Mr. Ranjan Vasishtha, ex-DGM, Maruti Suzuki India was the faculty.

**12 October 2018:** A training program for members of Uttarakhand zone on Communication Skills was organised at Manesar. The objective of the program was to understand purpose of communication, preparation of communication charts, identify the challenges in communication and identify improvement opportunities. Ms. Priyanka Pahwa, who has over 10 years of experience in Soft Skills Training, was the faculty for the program.

**13 October 2018:** A training program on Problem Solving Techniques was organised at Akal Springs Ltd, Ludhiana. Problem solving is one of the keys to a successful lean implementation as it identifies the root cause of the problem, along with contributing factors. Mr. Ranjan Vasishtha, ex-DGM, Maruti Suzuki India was the faculty for the training program. The faculty further showed practical examples and discussed case studies.



**18 October 2018:** An in-house training program on Measurement System Analysis for employees Minda Sai Ltd was organised with the objective of garnering skills to analyse variation error in measurement results, perform bias, linearity, and stability studies, perform gage R & R studies and apply techniques to attribute and variables. The faculty for the training was Mr. Shalabh Capoor.



**18 October 2018:** A training program was held for the member company at Minda Sai Ltd. on Statistical Process Control (SPC), which is a method for monitoring, controlling and, ideally, improving a process through statistical analysis. The philosophy states that all processes exhibit intrinsic variation. The faculty for the training was Mr. Shalabh Capoor.

**22-25 October 2018:** The 18th batch of six sigma black belt certification program level 1, which was launched on April 18, 2018 concluded with module VI from 22nd to 25th October, 2018. The faculty visited the shop-floors of the participating companies to validate the potency of the projects undertaken by them on 22nd & 23rd October 2018 which was followed by the project presentation by the participants on 24th October and the final assessment of written examination was held on 25th October. Consequently, the eligible participants were certified with the black belt certification on the same day evening.



After the full-scale six months training, 18 participants from 9 NR Membership companies were certified as the Six Sigma Black Belts for successfully completing their final assessment exam and the validation of their projects. The participants completed 36 projects. Mr. Ram Narayan, was the faculty for the training who provided intense training throughout the six months of training period. Conferring the



certificates to the participants, Mr. R K Seth, General Manager – Cost & Sourcing, Purchasing, Honda Cars India Ltd. congratulated the participants and urged them to develop a vision for excelling

**31 October 2018:** To integrate Human Resources (HR) departments with other parts of an organization, a session on Digitising HR was organised at Sandhar Technologies, Gurugram. Capt Ved Prakash from ZingHR shared his valuable thoughts on digitizing HR. It was highlighted that a cloud-based HCM technology landscape was the ideal platform to make a company a "best place" for employees to excel in their roles and lay a solid foundation for continued growth. In all 22 participants from 16 companies participated.



**22 November 2018:** Northern Region HR Forum organized a Haridwar Zone HR Forum Meet at Sandhar Automotives, Haridwar. The Session on Successful Mantra of life was conducted by Mr. Chandan Sengupta,





Chairman, NR HR Forum and CHRO, Sandhar Technologies Ltd. Members appreciated the program and took this opportunity to network and learn from each other.

**22 November 2018:** A training program for members of Delhi NCR zone was organised on New Product Development & Product Design. The objective of this program was to understand discuss the main stages of designing and manufacturing a product, discuss the main activities involved in testing and refining a new product and predicting its selling price and explain the concepts of life cycle costing and the product life cycle. The faculty for the training was Mr. Shalabh Capoor.



**26 November 2018:** The First ever Zonal Kaizen Contest was organised at Ludhiana for its members of Punjab. 16 teams from Northern Region membership participated in the competition which witnessed over 50 delegates. The 2 member jury consisted of Mr. Arun Handa – GM – Manufacturing, India SML ISUZU Ltd. and Mr. H N Singh – CEO & ACMA Award Assessors, VHPS Enterprises. Complimenting all the participating teams, the Chief Guest – Mr. Parveen Sardana, reiterated that Kaizen is the spirit of automotive industry world over. Kaizen is performed regularly to be globally competent. Delivering the vote of thanks at the Valedictory, Mr. Gurinder Singh, Zonal Co-Coordinator – Punjab & HP, ACMA apprised the members of the current industry scenario and thanked the Chief Guest for his motivating address and the Jury team for their whole hearted support to ACMA, the participants for their enthusiastic participation and the sponsors for their support.



**29 November 2018:** A training program was conducted on Reliability Engineering at Pantnagar. Reliability engineering is a sub-discipline of systems engineering that

emphasizes dependability in the lifecycle management of a product. The objective of the program was to apply engineering knowledge and specialist techniques to manage and reduce failures. The faculty for the training was Mr. Jitendra Mathur.



**3 December 2018:** An Awareness Session on ZED Certification Scheme of Government of India was organised at ACMA, headquarter in New Delhi. The session was conducted by Dr. Rakesh Gupta, CEO, ACE 1 Consulting. ZED Scheme is administered by QCI (Quality Council of India). There are 50 well defined parameters in the ZED Maturity Assessment Model. ZED (MAM) is an integrated and holistic certification system, which accounts for processes related to Production Management, Quality Management, Design Management, Safety Management, Environmental Management, Energy Management, Natural Resource Management, Human Resource Management, Intellectual Property Management, and Performance Management. In the model, along with quality of products and services, equal emphasis has been laid for elimination of adverse impacts on environment.

**5 December 2018:** Digi-Connect Conclave cum Technology display on Smart Manufacturing was organised in New Delhi. Mr. Deepak Chopra, Chairman, Northern Region, informed that the Northern Region has taken keen interest in enlightening its members about 'Industry 4.0' as this is a challenge as well as an opportunity for the industry. Mr. Vijay Sethi, CIO, Hero MotoCorp Ltd., provided complete professional and technical details to the participants on different aspects of this issue. Mr. Kavan Mukhtyar, Partner & Automotive Leader, PwC India, presented a detailed impact on 'Digitization – Transforming your Business'. He defined digitization and touched upon benefits and challenges, and highlighted on the drivers for its adoption and opportunities for the industry. Alongside the conference, AVAYA and LPS Bossard Pvt. Ltd. displayed their latest offerings in the exhibition.

**9-13 December 2018:** Awareness Workshops on 5S were organised in New Delhi. The session was organized for the members of Northern Region to showcase their best practices, and to learn from cross-learning opportunity, from the best implemented practices. The system emphasize upon clean and organized work place to



achieve consistently good results. 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

**18 December 2018:** Training program on 'Problem Solving Techniques' was organised at Rudrapur. The workshop was held to train work force of member companies in data maintenance. Mr. Ranjan Vasishtha, Ex-DGM, Maruti Suzuki, India, was the faculty. The faculty further showed practical examples, discussed case studied and showed technical videos. The session ended with question and answer session.

**18-19 December 2018:** Workshop on Breakthrough and Innovation was organised on 18th & 19th December, 2018 to enhance the creativity and innovativeness of the participants. Through fun and interactive activities, the program challenges participants to develop a breakthrough mind-set. Mr. V K Sharma, Head Cluster Program was the faculty for the workshop. Participants of the workshop would undergo the training for another six months, spending three days of class room training every month till March 2019.

**21 December 2018:** The 4th Indoor Games Competition was held in Gurugram. Mr. A V N Rao (DDVM Quality) and Mr. Lal (DDVM, HR) from Maruti Suzuki India Ltd. inaugurated the Competition. Two hundred and twenty five players participated in different sports category like Badminton, Carom, Chess, and Table Tennis. Badminton saw the highest participation by 92 players, followed by 55 in Carom, and 44 & 34 in chess and table tennis respectively.



**22 January 2019:** A day long training program on 'Advanced Excel' was conducted at Jay Switches India Pvt Ltd. The workshop aimed at training the work force of member companies in improvising data maintenance. The faculty for the training was Mr. Pradeep Agrawal. During the workshop, he covered topics like; Key board shortcuts, controls, cell commands, naming cells & ranges, advanced formulas & functions, recording macros, using visual basic for applications (VBA), optimizing data and its analysis, presenting & reporting, validating and updating. He also highlighted the importance of Excel, as a software application with almost unlimited depth and complexity.

**17 January 2019:** A training program on 'DMAIC' (Define, Measure, Analyse, Improve and Control) was organised at Rudrapur with an aim to train the workforce of member companies on improvising data maintenance techniques. DMAIC, is a data-driven quality strategy used to improve processes and an integral part of a 'Six Sigma initiative'. The faculty for the training was Mr. Neeraj Shukla.

**31 January 2019:** The fifth Kaizen Contest for the members of Delhi – NCR Zone was organised in Sonipat. 52 teams from region participated in the competition, with participation of over 70 delegates. The four member jury consisted of Mr. Bhavnes Taneja (AGM) Maruti Suzuki India Ltd., Mr. Anurag Srivastava (DGM-Mfg.) Yamaha India Motors Pvt. Ltd., Mr. Arun Handa (GM-Mfg.) SML ISUZU Motors India Ltd. and Mr. Sandeep Mahajan (Jt. GM – Vendor Devt.) International Tractors Ltd. After the initial ceremony the guidelines for competition was laid out by the jury members among the participants. They also provided the information about the Kaizen Contest and its benefits.

**6 March 2019:** With a view to create bonding among its members companies, ACMA, Northern Region, HR Forum, organized First T10 Cricket Cup in Gurugram. Mr. V Sridhar, Group Vice President & Director, HMSI inaugurated the tournament. A total of 28 teams participated in the Day-Night Cup. In all 45 matches were played on eight grounds simultaneously.

**17 April 2019:** A day long Training Program on Change Management was organised in Rudrapur, Uttarakhand. Mr. Neeraj Shukla was the faculty for the course. He is an experienced hand with over a decade of experience in corporate training. During the session it was explained that change management is a systematic approach to deal with the transition or transformation of an organization's goals, processes or technologies. It is a process that should support all stakeholders with information such as the RFC transition status (i.e. reject, planned, implemented) and impact reports to the initial agreed objectives fixed by contract

**22 April 2019:** A day long training program for the members of Delhi NCR zone on Cost of Poor Quality (COPQ) was organised in Delhi. Mr. Ranjan Vasishtha, ex-DGM, Maruti Suzuki India was the faculty for the training program. He explained the COPQ as the aggregate impact of an organization's errors and defects on the company. It includes costs associated with scrap, rework, inspection,

data management, data collection, redesign, warranty claims, lawsuits, lost sales, loss of reputation, additional inventory, and any other expense that is incurred to make sure customers are not stuck with products that don't work.

## SOUTHERN REGION

**2 June 2018:** The 1st Edition of the Zonal Kaizen Contest was organized in Bangalore. It had 25 teams participating in the Quality, Productivity, Cost, Delivery and Safety category. The Zonal Kaizen contest was as a result of feedback and request from Karnataka & Hosur members – in an attempt to reach-out to the Tier2's and Tier3's suppliers and enhanced level of participation. The highlight of the Contest was the presence and participation of two SSI teams from SOGEFI- MNR Engine and SJS Enterprises. Mr T S Chokkalingam of Honda Scooters and Motorcycles and Mr R Vasu of TAFE were invited as Jury for the contest. The feedback from the 50 participants showed that they were enriched by the inputs given by the eminent juries.



**15 June 2018:** An awareness training on Better Practices of Material Management & Inventory Control was organised at ACMA office, Chennai. The training was applicable to shopfloor operators, supervisors and store keepers to train them on better practices of Material management with respect to continuity of supply of materials, cost reduction, ensuring consistency in quality, reduce inventory investment and maintain cordial supplier relations. A separate session on Material Flow Cost



Accounting (MFCA) was also covered as part of the training. The faculty for the training, Mr. D. Sekar, from ACMA-UNIDO and it was attended by 16 delegates from 8 companies.

**5 July 2018:** National Symposium on Embracing Disruption themed "The Technology & Innovation Way" was organised in Chennai. It focussed on the key factors and challenges around engineering technology and innovations. The Symposium also created a forum for industry and academia to understand better and equip themselves for the challenges and opportunities that come by way of disruptions and adoption of technologies and innovations. This was facilitated through display of technology and engineering projects by institutions like Chennai Institute of Technology, Dr Mahalingam College of Engineering and Technology, Mahendra Institutions and Vel Tech Rangarajan Dr Sangunthala R&D Institute of Science & Technology. ACMA also gave a platform for technology solution providers and start-ups like Infor (India) Pvt Ltd and Wimera Solutions, to display their solutions for the auto component industry.



**14 July 2018:** The 13th Quality Circle Competition of ACMA Southern Region saw 77 teams participating in Chennai. The competition was conducted in Chennai Institute of Technology (CIT) - Chennai, giving an opportunity for the students and the faculties to witness the live case-studies of the industry and problem solving methodology. As part of ACMA Southern region initiative towards Industry – Academia collaboration QC team from CIT presented their case study. The eminent jury panel for the competition comprised eminent people from OEMs. Mr P. Sriram – Chairman, Chennai Institute of Technology (CIT), spoke during the valedictory session. Over 500 participants including teams, students and faculties were part of this Annual Regional event, who gave feedback to organize more such events under the Quality Circle banner.



**7 September 2018:** The second batch of one day training program on Statistical Process Control was conducted in the local language - Tamil - at the ACMA office, Chennai. The faculty for the training was Mr V Thiagarajan who is currently a TQM and Six Sigma Consultant with prior work experience in diverse roles in companies like Hindustan Aeronautics Limited, Sundaram Clayton Limited, and WABCO INDIA Limited. The training objective was to help participating delegates to identify and implement statistical techniques in their workplace in order to improve on their manufacturing processes by controlling and monitoring them. The training was attended by 22 delegates from 10 member companies. A similar program was organised on August 23, 2018 at ACMA office, Chennai.

**14 September 2018:** A pioneering initiative was launched exclusively for women professionals and entrepreneurs in the automotive sector. Automotive Women Entrepreneurs and Employees (AWE) Forum was



conceptualized with the intent of nurturing and recognizing talent, growth, professional and entrepreneurial skills within the auto component sector in particular. The first brainstorming session of AWE was led by Ms. Priyamvada Balaji, Director, Lucas-TVS Ltd., and Chairperson of AWE, held on the 14th of September at ACMA office in Chennai which was attended by 15 Professionals.

**19 September 2018:** In partnership with the Institute of Financial Management & Research (IFMR) for a workshop on practical approach to costing was held at ACMA's office in Bangalore. Dr R. Jayaram – Director - Proactive Solutech (India) Pvt Ltd and Senior Consultant – Shriram Value Services Ltd. was the faculty. 15 participants from member companies joined the workshop.

**27 September 2018:** The National Convention on Aftermarket was organised at Chennai, with participation from ACMA members all over India. The Convention was led by Mr Sriram Viji as Chairman and Mr Vinay Lakshman as Co-Chairman. The First panel discussion was on the topic "Creating an Efficient Distribution Supply Chain" with the eminent speakers, It was imperative in the aftermarket business to effectively deal and interact with dealers, customers every day. It was important to align to the transformation to move forward. In all 96 delegates from 46 companies took part in the convention.

**5 October 2018:** A training in Tamil on Workplace Waste Management was conducted in Chennai ACMA Office. The

faculty for the program was Dr N. Rangaswamy, Director, Institute for knowledge Potential Management. The program covered waste elimination as one of the most effective ways to increase the profitability of any business. Processes either add value or waste to the production of a good or service. The program was attended by 18 delegates from 9 companies.



**11 October 2018:** The 1st edition of the zonal competition on Poka-Yoke was organized at Bangalore, which saw 15 teams competing. The Jury members were Mr Pandian K from AVTEC and Mr S Ashok from Toyota Kirloskar Auto Parts Pvt Ltd. At the valedictory session, Mr Ashok of TKAP shared his feedback of the day's presentation. He congratulated all the participants for coming out and sharing their case studies, which also was a great learning for them. He mentioned that this was a great platform for cross learning. There were 40 participants.



**26 October 2018:** The first zonal low cost automation competition was a maiden initiative conducted at Dr MGR Educational & Research Institute. The low cost automation programs are primarily targeted to improve productivity, reduce waste, cost, improve working conditions and ergonomics without compromising on quality. Mr. Vasantharajan K - Manager – Quality Assurance - Renault Nissan Automotive India Pvt. Ltd., Mr. S.S. Sankar - Divisional Manager, Quality, Mr. G Palani – ACMA - UNIDO and Mr. D Sekar – ACMA – UNIDO were part of the jury. Dr S Sendil Velan, Dean (Engineering & Technology), said that this platform would provide the faculties and students exposure into the current industry practices and make budding engineers ready for the industry. 27 teams presented on the theme for promoting Low Cost Automation from Tamilnadu, Puducherry and Andhra Pradesh zones.



**16 November 2018:** The 1st ever Regional Best HR Practices Competition was organized at WABCO India Ltd. The theme for the competition was Skill & Competency Development. Two eminent Juries, Mr Yadugireesh R, Head – Organisation Development Corporate HR, Ashok Leyland Ltd and Prof Sridhar Narayanan - Adjunct Faculty & Director - Corporate Relations, Great Lakes Institute of Management, gave the customer perspective and best emerging practices from an academic perspective, on Skill & Competency Development to the participating teams. 12 teams competed at the Best HR Practices Competition.

**22 November 2018:** With Shingo Institute of Japanese Management a special program and new initiative was organised on Gemba Kaizen both in English & Kannada. This included a workshop on the subject. The faculties for the event included, Mr K S Madhavan, Chairman, Founder, Shingo Institute of Japanese Management and Mr B Pravin Rao- Consultant, Shingo Institute of Japanese Management. A very unique and interesting approach was taken for the workshop, which included training on basics of Kaizen and Gemba Kaizen in the first half and case studies in the second half. This was followed by a problem solving competition using the tools that were taught during the training and case studies. Finally, there was a quiz competition on Kaizen and Gemba Kaizen to gauge the understanding of the participants. 12 participants from member companies attended the workshop.

**8 December 2018:** 10th edition of Regional Kaizen Contest was organised in Bangaluru. The contest saw 88 Kaizens presented in a day in the areas of Productivity, Quality, Cost, Delivery and Safety. Welcoming the Jury and the participants at the session, Mr Anil Kumar Unni Regional Secretary, ACMA, mentioned that cost controls through waste elimination and motivating employees to perform better, The event saw the participation from leaders of OEMs'. Addressing the participants, Mr. Nedumaran, congratulated the turnout from the member companies to compete in the contest and thanked ACMA for giving him and Jury team an opportunity to evaluate, share and learn through the medium of contest. As a special Gesture, ACMA felicitated, Dr. B N Jagadeesh Prasad, a veteran in the area of spreading the message of Quality across all forums. A total of 150 teams from the industry participated in the event.



**14 December 2018:** A quiz contest was organised at the ACMA office in Chennai, on the topic of Quality and Business. The contest was held under very competitive environment and was appreciated by all. For the quiz, a preliminary written test was conducted among 12 teams, having two members each, out of which six teams were shortlisted for the quiz based on scores. Six rounds of questions were planned for the participants, with questions passing over to the next team, if the first team could not answer the question correctly. The Quiz master was Mr. V Thiagarajan.



**4 December 2018:** A visit was organized for members to Caterpillar India Pvt Ltd, Plant in Thiruvallur, Chennai. Mr Nagaraju Srirama, President & Director, J K Fenner (India) Ltd. was the mission leader for the Visit. He appreciated the host and informed that his last visit to Caterpillar plant was back in 2008, where the visiting member companies, later became the part of supply chain of Caterpillar. The overview of Caterpillar was presented by Mr Suresh Bakthavatchalu, Factory Manager, Caterpillar India Pvt Ltd. The visit and interaction with Caterpillar, provided the participants details about the company, including its future plans, the company's procurement strategies, components for sourcing and Caterpillar's teaching, assessment & hiring initiatives. The 25 member delegation from Southern, Western and Northern Regions found the visit relevant and useful for exploring possibilities for future collaboration.



**18 January 2019:** A special program on 'Jishu Hozen' (Autonomous Maintenance) was organised for members in Bangalore. The faculties for the event was Mr. B Pravin Rao, Consultant, Shingo Institute of Japanese Management and Mr. Kesavan, consultant, Shingo Institute. Both are experts in Lean manufacturing and other Japanese techniques. During the training, emphasis was laid upon 'Jishu Hozen' a very simple set of activities that do not over-stress the operators. In the first half, the faculty focussed on the basics of Jishu Hozen, while in the second half, the participants were divided in groups and a quiz was conducted, to evaluate the understanding. In all 16 participants from member companies joined the workshop.

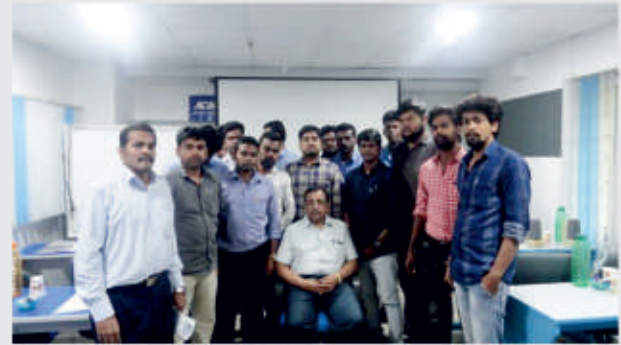
**22 January 2019:** In collaboration with EDII (Entrepreneurship Development & Innovation Institute)



Govt. Of Tamil Nadu, the 2nd Sectorial Exhibition and Meet of Engineering Institutions and Automotive Industry was held in Chennai. A total of seven institutions participated in the exhibition to showcase their student's talent and display their projects to the industry. This platform was created for the mutual benefit of industry and academia, where the engineering students presented interesting and creative projects to the leaders and decision makers of the auto component and related industry. Mr Biju Balendran, MD & CEO, Renault Nissan Automotive India Pvt Ltd. was the Chief Guest, who visited, interacted and encouraged the students. During the exhibition several companies offered internship and placement opportunities to the students.

**29 January 2019:** A workshop on Process FMEA, Process & Design FMEA, in Tamil was organised at ACMA Office in Chennai. The objective of the interaction was to understand the benefits of PFMEA in preventing failures and FMEAs' in

systematic analysis of potential failure modes. It also helped to understand that effective FMEA identifies corrective actions, required to prevent failures, from reaching customers and to assure the highest possible yield, quality and reliability. Faculty for the event was Mr. V Thiagarajan and the program was attended by 16 delegates from 11 companies.



**18 February 2019:** To encourage women inclusiveness in the automotive manufacturing sector, 'Automotive Women Entrepreneurs & Employees Forum' (AWE) was launched in Chennai. This is the 1st Automotive Women Entrepreneurs & Employees Summit. The forum was led by Ms. Priyamvada Balaji, and has women professionals and entrepreneurs as its part. The sessions were followed by a highly interactive Q&A session.



More than 100 participants attended the summit including leading OEM'S like Ashok Leyland Ltd, Ford Motor Pvt. Ltd, and TVS Motor Company Ltd.

**16-18 February 2019:** An in-house training on Awareness Program on IATF was organised at USUI Susira International Pvt. Ltd., Chennai. The faculty for this program was Mr. V Kartheeban. IATF 16949:2016 (replaces ISO/TS 16949:2009) is a standard that establishes the requirements for a Quality Management System (QMS), specifically for the automotive sector. The objective of this awareness program and primary focus of the IATF 16949 standard is the development of a Quality Management System that provides for continual improvement, emphasizing defect prevention and the reduction of variation and waste in the supply chain. The participants were made aware that after October 01, 2017, audits cannot be conducted to ISO/TS 16949 and organizations must transition to the new IATF 16949 in line with their

current audit cycle, according to the allowable timing requirements. 31 delegates attended this in-house-training, and found it extremely relevant.

**19-21 February 2019:** In association with Toyota Kirloskar Auto Parts Pvt. Ltd. Experiential & Practical Workshop on Karakuri was organised. The second batch of the curated training was organised from at the facilities of TKAP. Specially designed DIY kit assignment (skill oriented task) was assigned to all the trainees to implement the skills imparted. The participants had to work on the assignment, complete the task, share their experience, learning, pain areas and how they have been able to achieve the task. The Faculty for the training session Mr. Kiran and Mr. Karunakara, explained in detail how this concept would slowly be introduced to the participated in stages over the three day. The trainees were evaluated on the task and then awarded certificates.

**22 February 2019:** The 3rd regional Poka Yoke Competition & 8th SMED Competition was held in Chennai. 23 Poka Yoke teams and 12 SMED teams contested from the Southern Region. The eminent Juries included Mr. K Vasantharajan (Manager, PWT) Renault Nissan, Mr. S S Sankar (Divisional Manager, Quality) TAFE, Mr. Sundararaj Shaktivel (GM, Manufacturing) Ford India and Mr. Ramesh Soundararaj (DGM) Daimler India. The highlight of the Poka-Yoke competition was the participation of two SSI teams - Besmak Components Pvt. Ltd. and Stork Rubber Products Pvt. Ltd.

**8 March 2019:** An in-house training program on APQP-PPAP was conducted at USUI Susira International Pvt. Ltd's facility in Chennai. Mr V Thiagarajan, was the faculty for the program. He outlined the APQP training objectives, as to aggregate the common planning activities. Suppliers utilize APQP to bring new products and processes to successful validation and drive continuous improvement. 39 delegates attended the training.

**12 March 2019:** Continuing the practice of observing March as Safety month, ACMA, Southern Region, organized its Annual Safety Convention 8 in Bidadi at the facility of Bosch Ltd. As a new feature this year, ACMA invited the winning team of the Regional Kaizen Contest- Safety category held in Dec 2018 to share their presentation to the audience, Teams from Autoliv and Toyota Kirloskar Auto parts made their respective presentations. The highly interactive Q&A following the visit saw a lot of queries and clarifications which was very well addressed by the Bosch team. The delegation had 30 members

**12-14 March 2019:** The 3rd workshop on Karakuri was organised in Chennai. The specialised training was extended by ACMA along with Toyota Kirloskar Auto Parts Pvt. Ltd. Karakuri - a Japanese word to achieve fascinating motions with either 'No Power or Low Power' using Engineering techniques, is an area of expertise at Toyota. It forces the mind to think in different directions to solve a problem with limited resources. During the Valedictory ceremony, Hideyuki Tanabe San, Executive Managing Coordinator, distributed the certificates to all the

participants and encouraged all to spread the awareness of Karakuri in their workplace.

**15 March 2019:** An in-house training program on 'Statistical Process Control' (SPC) was organised at USUI Susira International Pvt. Ltd. facilities in Chennai. Mr V Thiagarajan, conducted the training and covered the topics like; Introduction to Statistical Process Control (SPC), its Process, quality characteristic, variations, fundamentals, source of variation, common causes, SPC, and methods of data collection. To make the participants understand and learn the theory that was imparted during the training session, a lot of practical exercises were given. 31 participants attended this training.

**9-11 April 2019:** The fourth edition of TKAP Karakuri workshop was organised at the facilities of TKAP. Karakuri - a Japanese word to achieve fascinating motions with either "No Power or Low Power" using Engineering techniques, is an area of expertise at Toyota. Karakuri systems depend on natural forces such as gravity, momentum and friction to function. The feedback from participants remained encouraging.

**26 April 2019:** A quiz contest on 'Quality & Business' was organised at Crescent Park, Chennai. The Quiz was conducted by Mr. V Thiagarajan, and the topics covered in the quiz were focused on; Total Quality Management, Statistical Process Control, Advanced Product Quality Planning and Business & Manufacturing Excellence Concepts. A preliminary written test was conducted for 19



teams consisting of 38 members, out of which six teams consisting of 12 delegates were shortlisted for the Quiz based on scores.

**26 April 2019:** A 'Speech and Quiz Competition' was organised focused on Quality and Safety in Bangalore. The aim of the contest was to bring together new platforms for learning, development and sharing. The Quiz Master for the event were Mr. B Pravin Rao and Mr. Kesavan. The Speech Competition saw participants speaking about the Quality and Safety for ten minutes. The participants had to cover the general aspects of Quality and Safety initiatives in their organization, which are specific to their domain. The best 3 speeches were awarded certificates and with gifts.

**10 May 2019:** Training in Tamil on 'Workplace Waste Management' was organised at ACMA's Chennai office. The faculty for the program was Dr. N Rangaswamy,

Director, Institute for knowledge Potential and Management. He dealt with the concept of 'MUDA'. According to the concept, waste elimination is one of the most effective ways to increase the profitability of any business. 5S, Kaizen, Common Waste, PPM, Outcome Waste, Understanding 7 Types of waste Elimination and Simple tips for Elimination towards achieving Quality was elucidated and refreshed through group discussion and exercises. The program was attended by 14 delegates from six companies.



**13-14 May 2019:** A workshop was conducted in Tamil on 'Six Sigma Manufacturing Techniques' at ACMA's Chennai office. The faculty for the program was Mr. V Thiagarajan, who has more than 35 years of experience & recently retired from WABCO-INDIA Limited. In total 15 delegates attended the training from six companies.

**18 May 2019:** The 1st ever 'Zonal Poka-Yoke Competition' was organised in Chennai. The Juries for the competition were from leading OEMs. Addressing the participants at the valedictory Session, Mr J Sridhar, CEO, Magal Engineering Tech Pvt. Ltd. said "the initiative by ACMA is a result of feedback from within the members, to enhance the penetration of best practices in a competitive spirit. As points for improvement the Jury, was of the view that a proactive rather than a reactive approach will help the company to improve and gain in customer confidence. The jury also suggested of developing Poka-Yokes at the inward stage from the vendors.



**24 May 2019:** In a unique initiative 'Games Gallata' a sports meet for ACMA members was organised at NGV Club, Bangalore. ACMA started the initiative to promote and inculcate sportsmanship for the workforce of member companies. Carrom, Badminton and Chess remained the

mainstay of the competition and was played in both individual and team categories.



**3-4 June 2019:** The 1st Buyers - Sellers Business Meet was organised at the IIT Chennai Campus. The meet was aimed at connecting the value chain of the automotive sector right from OEMs to Tier-3 companies. The meet was inaugurated by Mr. Ram Venkataramani, President, ACMA, Mr. P Kaniappan, Chairman- Southern Region, ACMA & Managing Director, Mr. J S Rangar, Chairman, ACMA CFT on MSME & Supply Chain Management and Mr. Vinnie Mehta, Director General, ACMA. Over 50 companies



displayed their capabilities for the automotive value chain through extensive display in 47 stalls.



**WESTERN REGION**

**6-8 June 2018:** Six Sigma Green Belt Certification Program Module – I was organised at Bharat Gears Ltd.(Mumbra plant), Mumbai. Mr. K Vishwanathan, from World Class Manufacturing Solutions was the faculty.



**16 June 2018:** With the objective to showcase the potential of ACMA members in delivering breakthrough Kaizens practiced at their facility, the 6th Kaizen Competition in Gujarat Zone was organised in Ahmedabad. The competition saw 26 case study presentations from all leading auto component manufacturers in Gujarat. The presentations made by the participants focused on Quality, Cost, Delivery, Safety & Energy. In all 20 companies from Ahmedabad, Vadodara, Halol, Surendranagar, Panchmahal and Daman participated. Addressing the participants at the valedictory session, the Chief Guest, Shri D.R. Parmar, Dy. Commissioner of Industries shared incentive policies and schemes of the Government of Gujarat.



**18-19 June 2018:** A two day workshop on Reduce Cost Not Margin was organised in Mumbai. The workshop was conducted by Mr. Vishal Kulkarni, one of the founding members and director of Faber Infinite Creative Solutions Pvt. Ltd.



**22 June 2018:** The 21st ACMA WR HR Forum meeting was held at The Minda Vast Access Systems Pvt Ltd. plant in Chakan, Pune. The meeting was focused on IR (Industrial Relation) and well known advocate Mr. Aditya Joshi was invited as guest speaker. Responding to the queries by participants, advocate Joshi explained the issues related to Provisions in new labour law, Internal & External Union, Contact labour, Mathadi Act, Factory within Factory, Maternity Act and Double employment.

**29 June 2018:** DigiConnect – Seminar was organized on Smart Manufacturing, in collaboration with PwC on June 29, 2018, Pune. The speakers at the seminar included experts from three verticals of digitization i.e. Transformation to digitization, Digital use cases: Automotive components and Data & Analytics. Apart from these, experts from PwC, Tenneco Automotive India Pvt Ltd. and Honeywell Transportation Systems shared experience of digitization implemented in their respective companies. Mr. Abhijit Majumdar, Partner, Technology Strategy Consulting Leader, PwC India made a presentation on Industry 4.0 - Digital transformation



**12 July 2018:** The 2nd Meeting of ACMA WR Gujarat Zone HR Forum was held at Ahmedabad. The forum discussed the outcome of the interactive session held with Maruti Suzuki India Ltd. (MSIL) -ITI Project Team and also the challenges that members are facing in Gujarat. It was suggested to organize Job fair in association with Maruti Suzuki India Ltd ( MSIL) - ITI Project. Members also suggested to organize programs such as Preventive -IR and enhancing supervisory skills.

**12 July 2018:** An interactive session was organised with Maruti Suzuki India Ltd. (MSIL) -ITI Project Team on at Government ITI Viramgam, Gujarat. Mr. Sanjay Padhiyar Manager, ITI Project-Gujarat, Maruti -Suzuki presented overview of the ITI supported by Maruti -Suzuki in Gujarat. Mr. Padhiyar mentioned that Maruti -Suzuki has adopted 5 ITIz in Gujarat namely - Bechraji, Kadi, Mandal, Detroj and Viramgam. He added that the students in these ITIz are being trained in Maruti Suzuki to make them skilled / employable. ACMA member companies can absorb them as per the need. As companies will get skilled manpower hence they will not require to spend on training.



**17 July 2018:** The 13th edition of Annual Regional Quality Circle Competition was organized in Pune. The Annual Regional Quality Circle Competition is the largest annual human congregations in the Western Region. Quality circles build mutual trust and create greater understanding between the management and the workers. Given the awareness of the QC competition a record number of 85 teams participated at the 13th edition of QC Competition. Congratulating ACMA and the winners at the valedictory ceremony, the Chief Guest Mr. Prashant Nandedkar, Joint commissioner – Sales Tax, Pune said it's a very nice platform ACMA has created. Overall, 510 delegates attended the event.



**25 July 2018:** In order to understand best manufacturing practices and advance technology which helps a company to sustain in the competitive world, a visit to Ford India, Sanand Plant was organised. The production capacity is 240,000 vehicles and 270,000 engines per annum. The

plant expansion of export markets to more than 50 with Sanand becoming operational, he added.



**25 July 2018:** A visit was organised to Tata Motors Ltd, Sanand Plant. Presenting an overview on Tata Motors, Mr. Neeraj Agarwal, plant head said, the plant has built in a record time of 14 months starting November 2008 – the integrated facility comprises Tata Motors' own plant, spread over 725 acres, and an adjacent vendor park, spread over 375 acres, to house key component manufacturers for the Tata Nano. The plant is currently operating at 100 per cent of its capacity of 2.5 lakh cars.



**26-27 July 2018:** A session on Expanding International Business Opportunities – Sharing of Best Practices" was organised in Dewas, Pune and Rajkot. The objective of organising the session was to create awareness about ACMA activities / services, particularly update on international engagements to assist members in developing exports through establishing and creating new linkages both in India and overseas market (OE and Aftermarket). Mr. Jagdeep Singh Rangar, Chairman International Aftermarket Sub- Committee ACMA & MD – Stork Rubber Products Pvt. Ltd. made a brief presentation in respect of various international engagements / activities of ACMA that helps member companies to grow their business.



**30-31 July 2018:** A two-day workshop was organised for professional women themed Dream Big – Lead with Strength, Dignity and Pride. The workshop was aimed to help professional women boost their self-confidence, encourage them to dream bigger and explore possibilities of fitting work and personal life together. Ms. Trupti Shirmali, MBTI certified practitioner, behavioral facilitator and consultant & Mr. Atul Badkas, MBTI practitioner were faculty for workshop. Case studies were carried out to explain four fears that keep women demotivated 1) Fear of assertive speech, 2) Fear of negotiating, 3) Fear of conflict and 4) Fear of self-promotion.



**4-5 August 2018:** In order to understand the hurdles, conflicts, causes and best-practices of supply chain, a two day workshop was organised on Enhancing Supply Chain via Beer Distribution Game. The workshop was aimed for Managers from every node of supply chain, especially Purchase & Procurement Managers. Mr. Vishal Singh with a Master degree in Production and Materials Management was the faculty. The workshop was combined with classroom and Simulation Exercise with its analysis.

**9-10 August 2018:** A Six Sigma Green Belt Certification Program Module – II was organised at Bharat Gears Ltd., Mumbai. Mr. K Vishwanathan, from World Class Manufacturing Solutions was the faculty. Explaining Data based tools for pinpointing causes Mr. Vishwanathan mentioned that there are two types of such techniques 1) Shainin techniques and 2) Statistical techniques. These techniques are very useful to identify the cause.



**13 August 2018:** The 13th edition of Annual National Quality Circle Competition was hosted in Pune. Prior to the competition, 11 winning teams that qualified from regional competition participated at the annual national competition. The presentations made by QC teams focused

on cost reduction, quality improvement, facility improvement, safety and productivity improvement. Mr. Naveen Joshi, Plant Head – Engine Plant , FIAT India Automobiles Ltd. and Mr. P S Bashyam, retired from M/s. TVS group of companies as a vice-president were part of the Jury panel at the National Competition. A total of 11 teams participated.



**13-14 August 2018:** A two day workshop for professional women was organised on the theme "Taking Control - your presence at Work" at Spicer India Pvt. Ltd, Chakan plant. Ms. Trupti Shirmali, MBTI certified -



practitioner, behavioral facilitator and consultant and Mr. Atul Badkas, MBTI practitioner were the faculty for workshop. The workshop was aimed to help professional women to boost their self-confidence, encourage them to dream bigger and explore possibilities of fitting work and personal life together.

**17-18 August 2018:** The module 1 of a lean certification program was organised in Pune. Lean Manufacturing is the business model that focuses on the elimination of waste. This program helped the participating companies to understand, implement and derive the advantage of Lean manufacturing. 15 participants from 9 member companies participated in the program.

**28 August 2018:** A one day training on increasing profits by reducing poor quality was organised in Pune. The objective of the training was to have better understanding of hidden cost of poor quality. Mr. Abhishek Pandey, was the faculty for the training. 21 participants attended the workshop finding it extremely enriching.

**30 August 2018:** To deal with the rapid changes in technology and have better understanding of the facilities available, a visit to ARAI was organised in Pune with 28 delegates from 14 ACMA member companies. Mr. A V Mannikar, Sr. Deputy Director, ARAI welcomed the delegates and presented an overview on ARAI. During the visit the delegates were given the opportunity to see the Lab / facilities equipped with modern technology such as new product testing facility including design, and fatigue.



**8 September 2018:** The 4th edition of Zonal Quality Circle Competition in Gujarat Zone was organised in Ahmedabad. The competition saw 16 case study presentations on improvements carried by ACMA member companies in Gujarat that focused on growing customer satisfaction, reduction in rejection, cycle time, fatigue, cost and waste. The eminent panel of jury included Mr. Nishant Saxena - Manger Engine assembly, Sanand Engine Plant, Ford India Pvt. Ltd. and Mr. Ajay Shah, Head Press & Weld Shop Production, MG Motors. The event saw participation from various parts of Gujarat such as, Ahmedabad, Vadodara, Sanand, Mehsana, Vithlapur, and Gandhinagar.



**Six Sigma Green Belt Certification Program Module – III** was organised at Bharat Gears Ltd., Mumbai. Mr. K Vishwanathan, from World Class Manufacturing Solutions was the faculty.

**18-19 September 2018:** Lean Certification Program Module – II was held broadly covered definition of value stream mapping, types of value stream mapping, preparatory for P-Q analysis and introduction to SMED & methodology. SMED provides a rapid and efficient way of shifting production from last piece of previous lot to the first “Ok piece” of next lot at desired speed. This rapid

changeover is key to reducing production lot sizes and thereby improving flow, reducing production loss and output variability.

**27 September 2018:** In association with Siemens Industry Software 2nd edition of the conference defining the road ahead for the Indian Automotive Industry conference, titled “Leveraging the Digital Twin to achieve full visibility into manufacturing processes” was held in Pune. The conference was addressed by eminent keynote speakers – Ms. Sowmya Chaturvedi, Head – Operations, Cummins India and Mr. Gautam Dutta, Sr. Director -Marketing Siemens Industry Software India. Additionally, a Panel discussion moderated by Mr. Anand Jena, Director PWC, deliberated on how Indian automotive players can overcome to the growing technology challenges and disruption.

## ACMA CENTRE OF TECHNOLOGY (ACT)

### INTRODUCTION

ACMA Centre for Technology (ACT) is the technical division of ACMA. ACT has been rendering technical services to the Indian auto component industry with an objective to improve their quality, cost, delivery and performance. Since its inception in 1989, ACT has helped more than 700 manufacturing plants all over India to improve to global levels of excellence through its signature ACT Cluster programs.

### SCOPE AND OBJECTIVE

ACT's primary focus is providing expert guidance to Automotive companies for improving their manufacturing competitiveness, Zero Defect Quality, New Product Development, Export capability improvement, enhancing their quality standards and increasing productivity and profitability through various specific interventions. The advisory team comprises technical domain experts from across Indian industry and services are often delivered through a collaborative effort with international experts and institutions of excellence.

Providing collaborative technical support from global experts is a major scope of ACT's functions. This is executed through various channels like HIDA Training in Japan, GIZ training in Germany, Operation excellence Training in UK also Specialized Trainings and Seminars in India, JETRO and JIPM Interventions. In addition, an enabling platform has been developed for the members to avail technology advantages, which is done in partnership with various institutions like NASSCOM, TIFAC, DSIR, NATRIP, Fraunhofer, MIT and GIZ. ACT's scope of activities also extends to helping and supporting in standardization process and harmonization of standards through AIS, CMVR, BIS and WP.29. Efforts are continuously undertaken to create an environment and culture of improvement amongst members within the industries by evolving programs with a focus on developing and institutionalizing capabilities.

## ACT SERVICES

**Clusters:** This integrated and a holistic approach is an effective way for all round development and competitiveness of the country's MSMEs, large auto-component companies and OEMs. This mechanism enhances employee capabilities as well as upgrades quality and technological know-how. Over the years, this has become a proven effective approach that is a successful tool for upgradation of industry all over the country in a cost-effective manner. The capability development initiatives in various clusters have reportedly delivered remarkable results. Apart from quantitative benefits, it also enhances employee capabilities and helps in achieving excellence in manufacturing processes.

Cluster Services are rendered through a well-selected pool of technical experts specializing in different disciplines. These experts extend support to members and help them overcome their problems and weaknesses. 5S, Advance 5S, Total Employees Involvement (TEI), Quality & Productivity improvement, Equipment and Inventory management, Lean Processes, Lean tooling, New Product Development, Lead time reduction, Cost competitiveness, Zero Defect Quality while reducing impact on environment, Energy conservation, Innovations in manufacturing processes and systems are some major areas which are emphasized upon during the cluster programs.

The major clusters include ACT UNIDO partnership cluster, ACT ACMA – UNIDO Quality Cluster, ACT Foundation cluster, ACT Advance cluster, ACT Engineering Excellence cluster, ACT Export Cluster, ACT NPD Foundation Cluster, ACT New product development (NPD) cluster, ACT ZED (Zero Effect and Zero Defect) Cluster. ACT is also in process of launching ACT New Product Design Cluster, ACT Innovation Cluster, ACT safety Cluster and ACT Digitization Cluster in coming days.

ACT has also entered into new services of supporting OEMs. Force Motors Ltd, Pithampur is one example where entire plant is undergoing cluster approach from Apr 2016. ACT believes that there is ample evidence to suggest that a cluster policy brings additional positive effect to existing SME policy in industrialized economies and strives for perfection in that sphere.

**Training:** On the international front, there are trainings organised under the following umbrellas:

- ACMA – Dupont, USA for safety
- ACMA – CARDIFF Executive Education Program Operation Excellence Study Tour & training program, Cardiff, UK from 12th to 16th June, 2017
- ACMA – HIDA Production Management Training Course – Productivity Improvement, Energy Conservation & Carbon Reduction Technology Promotion (CRTP) Program – 18th to 29th September 2017 at Osaka, Japan
- ACMA – GIZ program on Business Design – Innovative Business Models at Munich, Germany from 12th to 25th Nov, 2017

In India, ACT continues to conduct various certified courses like Certification Course on Process Auditor of VDA 6.3 by UBFB 25th – 28th July, 2017 – New Delhi and Preparatory Certification Course for Zero Defect Quality Management System 7 days Program in June 2017 to Oct 2017.

**Certified Courses:** To achieve excellence in manufacturing, the industry needs competent people and robust systems and processes to compete globally. In order to meet this objective and create a skilled workforce, ACT is undertaking the following international and domestic programmes including Leadership Development: Mentoring mentors at UK; Data Analytics at UK; Logistics to minimize failure demands at UK; Zero Defect Quality Management at India; MFCA at Japan; and Business Innovations at Germany

## ACTIVITY HIGHLIGHTS: 2018-19

**18 June 2018:** ACMA Centre for Technology organized ACT 5th Case Study Competition at Pune. A total 108 case study projects presented during the competition. The Chief Guest for the competition was Ms. Sowmya Chaturvedi, Cummins India. The Jury was led by Mr. Alok Saxena, Former - Tata Motors Ltd, Mr. Nitin Bahulekar, Former - Tata Motors Ltd, Mr. Pramod Gosavi, Bosch Chassis Systems India Pvt Ltd and Mr. V. G. Kulkarni, Mahindra & Mahindra



Ltd. Truck & Bus Division. Presentations in Case study competition included areas of Productivity Improvement, Safety and Environment, Quality Improvement, Cost Reduction, Automation and Innovation.

**22-23 October 2018:** ACMA Centre for Technology organized one day workshops on "New Product Development – Need of the hour" at ACMA's regional offices in Delhi and Chennai respectively. The workshop was organized to offer awareness to companies about importance of systematic approach for New product development in automotive component manufacturing companies. 25 participants from 14 companies, participated in the workshops held at 2 venues. Success stories presented by companies from previous ACT NPDP programs highlighted huge benefits received by these companies. The workshop was highly appreciated by all participants and many companies suggested their interest to join ACT cluster programs on New Product development.

**29-30 January 2019:** The fourth edition of the ACMA Technology Summit was held in Pune. This edition was themed on "Indian Auto Component Industry: Transforming to Stay Competitive" and included very contemporary content marked by its uniqueness. ACMA Awards were conferred on winners by Mr. Anant Geete, Honble Union Minister for Heavy Industries & Public Enterprises, GOI in the opening session and by Mr. Rajan Wadhwa, President SIAM & President Automotive Sector, Mahindra & Mahindra Ltd in the culminating session. The ACMA annual Awards were conferred, honouring excellence. This year there were 224 applicants, of this 82 winners were awarded.



## YOUNG BUSINESS LEADERS' FORUM (YBLF)

### INTRODUCTION

YBLF has been set up within ACMA as a forum that provides opportunity to its members to network among themselves, to listen to and interact with leaders in the automotive industry and other professions and also to learn best practices through visits to excelling companies. The membership comprises young, second and third generation entrepreneurs, between the age of 25-40, and typically, the members are ambitious, dynamic and fully energized to chart a new journey of growth for their enterprises.

The organization has a membership of over 150 people, many of whom are an integral part of the next phase of leadership for the auto-component industry in India. The group is keen to share and learn together, to enhance the business confidence and acquire leadership skills required to face the emerging challenges in the industry. In essence, YBLF focuses on grooming corporate leaders of tomorrow and is key to sustainable business practices among members from a succession planning and leadership perspective.

### SCOPE AND OBJECTIVE

With a vision to 'To nurture leadership skills and to bring about successful transformation of corporate leaders of tomorrow', YBLF provides a platform for its members to share common issues and concerns with respect to their companies/businesses and to collectively suggest and seek solutions. YBLF stands to give its members an opportunity to share, across the table, critical information on latest developments in the Indian and overseas automotive industries, which may have an impact on their individual businesses.

The forum is still at an early stage of development and efforts are continuously on to realign organization systems and processes to changing objectives. The success of such an endeavor is usually driven by the sheer energy of its members and the 'newage' thinking that it imbibes. While YBLF is slowly but surely consolidating its position as a forum it is also taking steps to align better with ACMA activities and programmes.

In the process, YBLF has been making all efforts to bring about a 'transition and succession planning', 'garner greater levels of competitiveness', 'entrepreneurship development', 'amicable environment', 'promote CSR' and 'promote the automotive industry to the OEM'. It engages members in activities which inspire, motivate and impart learning to enhance competitiveness and leadership skills and to help in creating an environment that encourages mutual co-operation; a better understanding and knowledge of global business practices; international linkages with counterpart bodies and a clearer vision of the future directions of business.

YBLF has also proposed to organise an annual interaction session on a national scale, including all YBLF members and speakers from across the industry. YBLF is focusing more on programmes that generate greater participation and would also encourage others to join the membership. YBLF will also intensely focus on including new breed of people in its membership who can excite others and carry on the baton of responsibility from the senior members.

YBLF is focusing on a development agenda for the forum and deployment is being carried out with the following guiding path:

- To have clear and greater value proposition for its members through interesting programmes focused beyond the automotive industry
- As most of the YBLF members are based out of the Northern Region, efforts are being put into enrolling more members from Western, Southern & Eastern Region.
- To engage members and comprehend their level of interest by regular interactions through meetings, organizing programmes and informal get-togethers
- To prepare a list of programmes, which could be organized and short-list based on the feedback of members, need of the industry and business
- To organize an International Mission every year.

## ACTIVITY HIGHLIGHTS: 2018-19

**9 August 2018:** YBLF organized a visit to Bengaluru to interact with Mr. F R Singhvi, Joint Managing Director, Sansera Engineering Pvt. Ltd. During the interaction all the participants took the opportunity to learn and understand the level of automation, self-dependence and employee satisfaction in all its plants. The visit was extremely encouraging and the participants were delighted to be part of the delegation.



**1 December 2019:** ACMA, YBLF, organized session on 'Digitization' and 'Industry 4.0' in Gurugram. The objective of the session was to understand about the impact of Digitization on the way the business is being run and to understand details on Industry 4.0. Some of the leading speakers, included Mr. Rajib Kumar Jena, Bajaj Auto Ltd., Mr. Lokesh Payik, Mr. Amol Mate, Altizon Systems, Mr. Kuldeep Deshpande, Ellicium Solutions, Mr. Sanjeev Jain,

TNS Networking Solutions Pvt. Ltd. and Mrs. Priyanka Kapuria, LinkedIn Sales Solution. The speakers put forward their views on topics of utmost importance like; future growth for the industry in the digital world, Internet of Things, Journey of Industry from 1.0 to 4.0, Industrial IoT matters, SWOT Analysis for Manufacturing Landscape in India, What is ROI, IoT Attitude, Challenges to implement – Cost, Quality, Delivery and Time to Market Pressures.



**23 January 2019:** ACMA, (CFT) on MSME & Supply Chain along with YBLF organised a day long workshop on 'Run Your Business Operations, Working One Day a Week & Double Your Profits' by Mr. Rahul Jain, at New Delhi. Mr. Rahul Jain introduced radical new concept, explaining number of tools, exercises and how to build an 'Action Plan' to put 'Business on Auto-Pilot' and 'Double your Profits'. He also laid emphasis on hiring good talent and create an environment, where people love working in the organisation by creating an easy to implement HR policy and organizational structure.



**21-22 February 2019:** ACMA, YBLF, organized a two-day visit to Pune its members in Pune. The first session on the first day was dedicated towards interaction with experts on 'How to Beat the Recession by Focusing on Aftermarket'. The second panel discussion of the day was held on 'Supercharging the Auto Component Industry - through Strong Leadership and Effective Talent Management'. On the second day, a visit to Fleetguard Filters was organized to learn how to implement 'Theory of Constraints' across the organization.



**19 March 2019:** ACMA, YBLF, organised a conference on 'The Future of EV in India' and a case study on 'Miracle Turn-around of Jamna Auto' in Gurugram, Haryana. The first half of the event was dedicated towards the Future of EV in India. Mr. Rajeev Singh, Deloitte, shared his presentation, on the possible road map of evolution of new energy vehicle into India, how Automotive Industry will be disrupted by the new energy vehicle and the possibilities & opportunities for component supplier. The second half of the event was dedicated toward the presentation by the Mr. Pradeep Jauhar, Jamna Auto Industries, about the 'Miracle Turn-around of Jamna Auto'.



**1 May 2019:** ACMA, YBLF, organized a session on 'Business Model Innovation' and 'Investing the Warren Buffett's Way' in New Delhi. The first session focused on the 'Business Model Innovation'. The second session was on 'Investing the Warren Buffett Way'. The feedback received from the participants was encouraging



## ACMA HR Conclave on "Preparing the industry for next generation mobility" on 23rd July, 2019



Northern Region HR Forum organized the HR Conclave on "Preparing the industry for next generation mobility" on 23rd July, 2019. Chief Guest at the conclave was Mr. C V Raman, Sr. Executive Director (Engg, Quality & Supply Chain), Maruti Suzuki India Ltd.

Automotive industry in India and the world is undergoing rapid disruptive changes. On one hand, the automotive industry in India faces the challenges of implementing several new regulatory norms such as BSVI, CAFE norms and newer safety norms, on the other, the government is keen to usher in electric mobility. That apart, introduction of next generation manufacturing technologies such as Industry 4.0/digitisation in the automotive sector are critical for it to stay relevant and competitive.

According to the Automotive Mission Plan of the Government of India, the auto industry is expected to contribute 12 percent of India's GDP by 2026 and create 65 million additional jobs.

Considering the huge growth potential of the Indian auto industry as also to ensure that the industry manages well the disruptive changes it is facing today, there is an urgent need to skill the existing employees as also attract new and relevant talent.



ACMA PILLAR 4

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**OVERSEAS INVESTMENTS  
AND INTERNATIONAL  
ALLIANCES**

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## PILLAR STRUCTURE



**VIKRAMPATI SINGHANIA**  
CHAIRMAN



**PRANAV KAPURIA**  
CO-CHAIRMAN



**JAYANT DAVAR**  
ADVISOR



**AMIT MUKHERJEE**  
HEAD

## PILLAR 4 - OVERSEAS INVESTMENTS AND INTERNATIONAL ALLIANCES

### INTRODUCTION

- The objectives of the pillar includes:
- Provide 360 perspective to members on inorganic growth
- To enhance knowledge of membership on Inorganic Growth and provide an understanding:
  - how to leverage such partnerships to access Technology
  - expanding footprint globally (brown field and green field) and in domestic market
- To create a mechanism/ Deal tracker to include
  - M&A, JVs/ TAs happening domestically and globally
  - Foreign investments : PE or Acquisition / Domestic investments : Greenfield or Brownfield
- Create a Mentorship Group (from large tier 1 companies) to help the SMEs for directional support (in a limited way) in to clarify doubts with respect to JVs, TA and M&As
- To organise Regional workshops on how to navigate JV / TA and M&As
- Match making Expos with automotive nations like Japan, Germany, UK, South Korea for JV/ Collaboration/Partnership
- International associates - Creating a strong global network of 'Associations of Component Manufacturers' for mutual co-operation, business development and organising a Global Summit in India as well as overseas, which could provide insights into futurist trends and a networking platform for industry leaders.

### PLANNED INITIATIVES

**Investment Mission:** For the first time, ACMA will be organizing an Investment Mission to Poland, Hungary and Slovakia from February 3rd to 6th, 2019. The objective of the Mission is to explore opportunities in setting green field, strategic alliances/brownfield project and have meetings with Investment Boards, Senior Government officials and local Industry leaders.





**Investors Meet:** ACMA is planning to organize an annual investor event, which will bring together auto companies and financial investors to explore fundraise / investment opportunities. Interested companies will be requested to submit business plans which will be scored by an external consulting firm, post which up to 10 business plans will be shortlisted for a presentation to a jury of investors / private equity funds. The forum will also have 100-500 delegates who can attend sessions on how to develop effective business plans, and they will also hear first-hand from PEs on what they look for, when funding companies.

**Mentor Group:** Creating a mentorship group consisting of senior leadership / experts from large companies for providing support in limited way for JV, Partnership, Acquisition, Technical Alliances etc. A separate list being prepared consisting of Consultancy firms, Law firms, subject matter experts who can be available for specific company level engagement. This will work like a panel and ACMA Secretariat would support the members.

**Deal Tracker:** PWC has been engaged to release a quarterly Deal Tracker covering on new investment, partnership / technical alliance and on Merger and Acquisition for a better understanding on the technology flow as well as on new investment. This will cover FDI, PE and Technological Deals.

## ACTIVITY HIGHLIGHTS: 2018-19

**20 September 2018:** MSME Delegation to Navarra & Valencia in Spain to explore JV/ Partnerships/ Tas

**24 September 2018:** Michigan Trade Mission to India at New Delhi

**September/October 2018:** Meetings with Counterpart Associations - Sindipeças, Brazil; AASA, USA; SMMT, UK; Autocare, USA; CLEPA, Europe; AAAA, Australia; SERNAUTO, Spain; Germany, USA

**2 Nov 2018:** India-Korea Business Summit at New Delhi

**28 November 2018:** Interaction of ACMA Members at the Reception of His Sheikh Ahmed, Chairman of Ras AL Khaimah Economic Zone at New Delhi

**4 December 2018:** Interaction of ACMA members with delegation from South Carolina USA New Delhi

**14 January 2019:** Interaction with ACMA Southern Region members with UK Automotive Delegation at Chennai

**19 January 2019:** Meeting with Governor of Kentucky at Ahmedabad

**4-6 February 2019:** ACMA CEOs' Investment Mission to Poland, Hungary & Slovakia. The objective of the Mission was to understand the dynamics of the automotive market and investment climate in these fast growing Eastern-European economies as also explore opportunities for setting-up green field/brownfield projects/strategic alliances. The delegation comprising 9 CEOs was led by Mr. Ram Venkataramani, President, ACMA.

**21-22 February 2019:** India-Korea Business Symposium

**29-30 April 2019:** Meeting with Taiwan Delegation in Bangalore & Ahmedabad

ACMA PILLAR 5

**INDUSTRY & ACMA IMAGE/  
PR & COMMUNICATION**



## PILLAR STRUCTURE



**RAM VENKATARAMANI**  
**CHAIRMAN**



**VINNIE MEHTA**  
**DIRECTOR GENERAL**

## PILLAR 5 - INDUSTRY, ACMA IMAGE, PR & COMMUNICATIONS

### INTRODUCTION

The objectives of the pillar includes:

- To support and uplift the overall brand of the industry and the association.
- Bring awareness and visibility for the significant contribution made by auto-component industry and by ACMA to stake holders
- Provide visibility to various ACMA activities and initiatives in both domestic and international markets.
- Using Public Relation and Social Media as tools to bring high visibility to the ACMA brand among internal and external audiences
- Using Public Relation Activity i.e. newspapers, trade magazines, electronic channels, radio, online portals and wires to disseminate the information on ACMA initiatives.
- Social Media Engagements - Establish ACMA as the prime community for Auto Components and Automotive Industry Professionals for both OEM business and Aftermarket on social channels
- Build awareness – on industry updates, road safety, adoption of greener technology, pertinent campaigns etc., key events and other ACMA initiatives
- Reach out to the right audience, create interesting content and campaign to grow community through Facebook, LinkedIn, Twitter and Youtube
- Managing and Monitor Content on ACMA Website and ACMA App - Communicating and promoting ACMA initiatives on the above platforms

### ACMA IN PRESS - Traditional Media

**The Indian EXPRESS**

Thursday, July 25, 2019

## Slump in auto sector may cause 10 lakh job cuts: Acma

Acma president Ram Venkataramani said "Considering the fact that the auto component industry grows on the back of the vehicle industry, a current 15-20 per cent cut in vehicle production has led to a crisis-like situation."

ET Auto.com  
From The Economic Times

## Keep auto components out of RCEP, prevent back door entry of China: ACMA

ACMA said despite no original equipment manufacturer from China present here imports of auto parts from the country stood at USD 4.6 billion in 2018-19.

PTI | July 24, 2019, 17:47 IST

ETAuto Live - Ask most promising entrepreneurs in this domain

**THE HINDU**

JUST IN 3 21mins Karnataka CJI Ranjan Gogoi critic senior advocates, allow

MENU HOME NEWS OPINION BU

BUSINESS AGRI-BUSINESS INDUS

BUSINESS ECONOMY

**NEW DELHI:** Auto component industry body ACMA said on Wednesday that government keep automobiles parts out of proposed free trade pact RC saying It could lead to back-entry of China, the single largest country from where India currently imports such items.

The Automotive Component.

GOODYEAR RANKED NO. 1 IN AUTOMOTIVE SUPPLY CHAIN AND VALUE CHAIN BY PROTECTING FROM THE 97.2% POWER.

## Auto Component Makers Register A Growth Of 14.5 Per Cent In FY2019

The growth in the component industry comes on the back of a 10% increase in vehicle production in FY2019.



live mint



ACMA AUTOMECHANIKA 2019

ACMA AUTOMECHANIKA 2019

**ACMA Automechanika New Delhi 2019** kicks up Indian automotive aftermarket

Flourishing display of genuine and innovative products

Auto Parts Show Automechanika 2019

2019 Automechanika New Delhi will be the largest and most comprehensive auto parts show in India.

2019 Automechanika New Delhi will be the largest and most comprehensive auto parts show in India.

ECONOMY

## Boost demand for vehicles as 1 mn jobs under threat: ACMA

SPECIAL CORRESPONDENT

NEW DELHI, JULY 24, 2019 22:59 IST  
UPDATED: JULY 24, 2019 23:00 IST



live mint



Govt should encourage hybrid vehicles to boost localisation of e-vehicle parts, says Ayukawa

Automotive

ACMA ORGANISES SIXTH MSME SUMMIT FOR AUTO COMPONENT MAKERS



Automotive

Auto parts makers skid amid slowdown. Fear 10 lakh jobs may have to be cut. Free trade pact poses danger.



Auto parts makers skid amid slowdown. Fear 10 lakh jobs may have to be cut.

'A clear policy & regulatory roadmap will help the component industry be better prepared for changes' - ACMA President

By N. Balakrishnaiah and Dharmendra Kishore

Fourth auto expo today. The Indian auto environment remains in limbo. The biggest contributor to the country's economic growth is a very good illustration. The auto industry is not doing well. The industry is not doing well. The industry is not doing well.



ACMA tells govt to exercise caution while signing FTAs

ACMA president Ram Venkataramani said the government should be cautious while signing Foreign Trade Agreements (FTAs) with countries, especially with China, as there is a huge import-export imbalance. Seeking relief in FTA, the industry body said that if the sector's issues are not dealt with, over 10 lakh jobs could be on the line.

Automobile component sector fears 10 lakh job loss

Even a 7% growth looks a bit of a stretch now. Private consumption & investment are flagging, govt can't revive growth, need a big reform push for that.

Even a 7% growth looks a bit of a stretch now

Private consumption & investment are flagging, govt can't revive growth, need a big reform push for that.

The IEPW (I) today forecast the growth for India in FY19 to 7%. The IEPW (I) today forecast the growth for India in FY19 to 7%. The IEPW (I) today forecast the growth for India in FY19 to 7%.

The Statesman

The automotive industry is facing an unprecedented slowdown



RAM VENKATARAMANI, ACMA PRESIDENT

हिन्दुस्तान

इलेक्ट्रिक वाहनों पर टैक्स में बड़ी राहत की तैयारी

इलेक्ट्रिक वाहनों पर टैक्स में बड़ी राहत की तैयारी. इलेक्ट्रिक वाहनों पर टैक्स में बड़ी राहत की तैयारी. इलेक्ट्रिक वाहनों पर टैक्स में बड़ी राहत की तैयारी.

mint

Slowdown in auto sector turns up the heat on component makers

Worries an other temporarily starting plans to exiting export to reducing daily shifts in factories

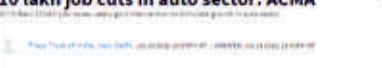


ACMA IN PRESS - New Media



10 lakh job cuts in auto sector: ACMA

10 lakh job cuts in auto sector: ACMA. 10 lakh job cuts in auto sector: ACMA.



All investments, recruitment are frozen: President

All investments, recruitment are frozen: President. All investments, recruitment are frozen: President.



BJP government's silence on job losses dangerous: Priyanka Gandhi

BJP government's silence on job losses dangerous: Priyanka Gandhi. BJP government's silence on job losses dangerous: Priyanka Gandhi.



Auto Industry Struggles For Growth

Auto Industry Struggles For Growth. Auto Industry Struggles For Growth.



ACMA: Transition To EV A Big Challenge

ACMA: Transition To EV A Big Challenge. ACMA: Transition To EV A Big Challenge.



All investments, recruitment are frozen: President

All investments, recruitment are frozen: President. All investments, recruitment are frozen: President.



Indian Automobile sector to lay off 8-10 lakh employees

Indian Automobile sector to lay off 8-10 lakh employees. Indian Automobile sector to lay off 8-10 lakh employees.



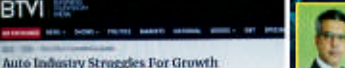
Auto Industry Struggles For Growth

Auto Industry Struggles For Growth. Auto Industry Struggles For Growth.



ACMA: Transition To EV A Big Challenge

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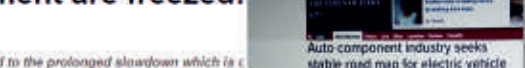
2020 Auto Expo dates announced

2020 Auto Expo dates announced. 2020 Auto Expo dates announced.



Auto component industry seeks stable road map for electric vehicle transition

Auto component industry seeks stable road map for electric vehicle transition. Auto component industry seeks stable road map for electric vehicle transition.



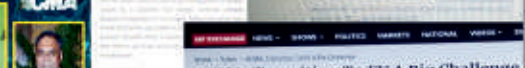
ACMA: Transition To EV A Big Challenge

ACMA: Transition To EV A Big Challenge. ACMA: Transition To EV A Big Challenge.



Auto Industry Struggles For Growth

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ACMA: Transition To EV A Big Challenge

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ACMA PILLAR 5

## ACMA PUBLICATIONS / 2018-19

ACMA regularly publishes the following newsletters:

- Auto News, which is published every two months and covers industry related updates and the association's activities over the period under review



- Impact (earlier known as ACT Now), which is published every quarter by the ACMA Centre of Technology (ACT). It covers the centre's activities and gives insights into best global practices for productivity, quality, technology and profitability



In addition, there were certain major studies undertaken during 2018-19.

Auto component industry in India: Preparing for the future - India is poised to soar, higher than many fast-growing large economies over the next decade. Automotive original equipment manufacturers (OEMs) and component manufacturers in the country, too, aspire to achieve global eminence. The future of the auto OEM and auto component industry is being shaped by multiple trends, policies and discontinuities. What opportunities do these trends create for the auto component industry? And how can the industry prepare itself to capture a share of these opportunities?

With this background, Auto Component Manufacturers Association (ACMA) has commissioned McKinsey & Company to do a study on "Auto component industry in



India: Preparing for the future". The study outlines the growth potential and aspirations for the industry, the trends that are impacting it, the specific opportunities these create, and how auto component manufacturers could change themselves and ask for support from the ecosystem to capture these opportunities.

### A PROMISING FUTURE

Growth indicators paint a picture of optimism for India – by 2023, it could be the world's fifth-largest economy, with a GDP of USD 4.7 tn. Anticipation of a growing consumer class, enhanced ease of doing business, expanding infrastructure – such favorable factors could propel the country forward, and, with it, India's automobile industry.

The Indian automotive OEM industry is already in a strong position. Globally India's automotive industry is at the forefront of many segments – leading in two-wheelers, segment A cars, and tractors. According to AMP 2026, the industry aspires to triple vehicle sales by 2026, from 26 million to 66 to 76 million vehicles, across vehicle segments. These could be definitive tailwinds for the Indian automotive components industry, which has ambitions of its own by 2026 – to double the contribution to manufacturing GDP with a four-fold growth in size and a six-fold growth in exports. While industry turnover has more than doubled in the past decade, India's contribution to global turnover is approximately 3 percent. Clearly, there is substantial scope for growth in an industry being shaped by a variety of trends.

### HERE AND NOW: TRENDS SHAPING THE AUTOMOTIVE INDUSTRY

As auto component manufacturers prepare for a future where they ramp up performance in India and globally, they need to account for numerous trends along 4 key dimensions that are shaping the industry:

- Constantly shifting market dynamics due to changing customer demands, manufacturing locales, operating models and priorities
- The changing needs of OEMs, who are likely to want different, more agile and rapid component inputs as demand, timelines and processes keep shifting
- Technological improvements and discontinuities that are already starting to change revenue pools, trigger new competition and invite new forms of cooperation
- An evolving regulatory and trade environment forming the backdrop for it all.

### THE OPPORTUNITIES AHEAD

The interplay of trends across these themes could fashion ten exciting opportunities for auto component manufacturers:

- Pursue export opportunities aggressively.
- Enhance import substitution.

3. Offer premium features at "Indian costs" more rapidly than before.
4. Focus on component categories that could contribute more to vehicle costs in the future.
5. Expand aftermarket offerings to capture value from enhancing existing vehicle parc and aftermarket exports.
6. Offer "rising star" components which could take off in the long run due to increase in electric vehicle (EV) sales.
7. Offer new or modified features that will be in demand with an increase in shared mobility penetration.
8. Develop data-enabled services and solutions.
9. Form partnerships and ecosystems to create and capture value.
10. Expand portfolio to serve adjacent industries.

Identifying which opportunities fit best, and working strategically to seize them, could create a successful future for auto component manufacturers.

### Digital Transformation Roadmap for India's Automotive Industry

Developing a transformation roadmap to adopt digital technologies in the automotive industry across the value chain, product and the industry ecosystem.

Digitalization has fueled the evolution of four industrial capabilities: connectivity and computing power, analytics and intelligence, the human-machine interface, and the digital-physical transformation. These new capabilities have transformed the automotive industry with significant changes in the value chain, value proposition to customers and overall business model. In this paradigm shift, the ecosystem is gradually expanding to accommodate new digital partners, including telecom companies, digital giants, and the entertainment industry.

Therefore, it has become paramount for the automotive industry and its overall ecosystem to understand the state of technology adoption and its impact on the overall business from the value chain to the customer to make sound business decisions and investments.

#### Key Findings from the Digital Health Assessment

Based on one-on-one interviews conducted with more than 40 organizations, we were able to draw following conclusions about the status of technology adoption in the automotive industry. The discussions produced following insights:

The industry is recognizing the importance of digital technologies, but few companies have a digital roadmap or a dedicated team in place.

Although there is a greater focus on using sensors and the Internet of Things (IoT) to collect data, there is a limited understanding of how to use that data effectively. OEMs are leading the adoption of digital technologies; suppliers are at a nascent stage. Maximum digital advancement is seen in OEMs' sales and marketing initiatives. Efforts are limited to address system security, machine interoperability, and standardization.

#### Digital Transformation Roadmap

Based on the advancement levels of key technologies and their use cases in the automotive industry, the digital transformation roadmap has been defined across three categories: automotive value chain, product, and industry ecosystem. In addition, the desired end state has been established for each function, along with a gap analysis against the current state. ue chain, product and the industry ecosystem.

Grant Thornton India LLP was mandated by ACMA to assist with developing a strategic roadmap to enable the Indian auto component industry globalize by increasing its share of exports and establish its footprint through mergers, acquisitions, joint ventures and other forms of alliances.



In order to achieve the stated objective of this study, the report aims to answer the following questions;

- (a) what are the gaps/issues/challenges which prohibit India from being a global leader;
- (b) how does the India auto component industry build a favorable brand perception globally with respect to product development, technology and R&D;
- (c) how does the India auto component industry gear up for headwinds arising due to adoption of new technologies and inventions;
- (d) how could inorganic growth (including joint ventures and technical alliances) play a role in the growth plan towards AMP 2026;

The report also showcases the key priorities for ACMA and its member companies in the next 3-5 years. Additionally, it aims to identify structural and framework level changes which the Government of India can enable for the India auto component manufacturers and the overall industry to bridge the gaps.

## PEOPLE AT ACMA

PAST PRESIDENTS			
Dr. Pranlal Patel (Late)	1959-1966	Mr. D.K. Jain	1994-1996
Mr. M.K. Raju (Late)	1966-1968	Mr. K. Mahesh (Late)	1996-1998
Mr. W.N. Talwar (Late)	1968-1970	Mr. Dinesh Munot	1998-1999
Mr. P.V. Shah (Late)	1970-1971	Mr. V.K. Mehta	1999-2000
Mrs. Sharayu Daftary	1971-1972	Mr. L. Ganesh	2000-2001
Mr. M.S. Shastri (Late)	1972-1973	Mr. K. Kejriwal	2001-2002
Mr. D.R. Sondhi (Late)	1973-1974	Mr. Deep Kapuria	2002-2003
Mr. V.R. Sivaraman (Late)	1974-1975	Mr. K.V. Shetty (Late)	2003-2004
Mr. M.K. Jhawar (Late)	1975-1976	Mr. Deep Kapuria	2004-2005
Mr. Harjan Singh (Late)	1976-1977	Mr. A.K. Taneja	2005-2006
Mr. S. Muthukrishnan (Late)	1977-1978	Mr. Raghu Mody	2006-2007
Mr. R. Bhandari	1978-1979	Mr. Sanjay Labroo	2007-2008
Mr. N. Venkataraman (Late)	1979-1980	Mr. J. S. Chopra (Late)	2008-2009
Mr. V. Chidambaram (Late)	1980-1981	Mr. Jayant Davar	2009-2010
Dr. Abhay N. Firodia	1981-1982	Mr. Srivats Ram	2010-2011
Mr. Suresh Krishna	1982-1984	Mr. Arvind Kapur	2011-2012
Mr. Pran Talwar (Late)	1984-1986	Mr. Surinder Kanwar	2012-2013
Mr. L. Lakshman	1989-1987	Mr. Harish Lakshman	2013-2014
Mr. Amar Singh	1987-1989	Mr. Ramesh Suri	2014-2015
Mr. T.K. Balaji	1989-1991	Mr. Arvind Balaji	2015-2016
Dr. Surinder Kapur (Late)	1991-1992	Mr. Rattan Kapur	2016-2017
Mr. S. Viji	1992-1994	Mr. Nirmal K. Minda	2017-2018

**EXECUTIVE COMMITTEE**

<b>PRESIDENT</b>	<b>VICE PRESIDENT</b>	<b>IMMEDIATE PAST PRESIDENT</b>
Mr. Ram Venkataramani India Pistons Ltd.	Mr. Deepak Jain Lumax Industries Ltd.	Mr. Nirmal K. Minda Minda Industries Ltd.

**ELECTED MEMBERS**

<b>MEMBER</b>	<b>COMPANY</b>
Mr. F.R. Singhvi	Sansera Engineering Ltd.
Mr. Sunil Arora	Abilities India Pistons & Rings Ltd.
Mr. Beni Daga	Baynee Industries
Mr. Sandeep N	Bosch Ltd.
Mr. Sriram Viji	Brakes India Pvt. Ltd.
Mr. Kirti Rathod	Delux Bearings Pvt. Ltd.
Ms. Pilloo C. Aga	GoldSeal-SaarGummi India Pvt. Ltd.
Mr. A.G. Giridharam	Harita Seating Systems Ltd.
Mr. Pranav Kapuria	Hi-Tech Gears Ltd.
Dr. Alka Kaul	Horizon Industrial Products Pvt. Ltd.
Mr. Ramachandra Rao	Indo Schottle Auto Parts Pvt. Ltd.
Mr. Nishant Arya	JBM Auto Ltd.
Ms. Harshbeena Zaveri	NRB Bearings Ltd.
Mr. Killol Kamani	Samarth Engineering Co. Pvt. Ltd.
Mr. Sunjay Kapur	Sona BLW Precision Forgings Ltd.
Mr. Jagdeep Singh Rangar	Stork Rubber Products Pvt. Ltd.
Mr. Ravi Machani	Stumpp Schuele & Somappa Springs Pvt. Ltd.
Mr. Arvind Goel	TATA AutoComp Systems Ltd.
Mr. Utkarsh Dinesh	ZF Steering Gear (India) Ltd.
Mr. Pawan Choudhary	Hindustan Composites Ltd.

## CO-OPTED MEMBERS

MEMBER	COMPANY
Mr. Balbir Singh	Right Tight Fasteners Pvt. Ltd.
Mr. Murali Vaidyanathan	Hanon Automotive Systems India Pvt. Ltd.
Mr. Pawan Choudhary	Hindustan Composites Ltd.
Mr. Ramashankar Pandey	Hella India Lighting Ltd.
Mr. Vikrampati Singhania	J.K. Fenner (India) Ltd.

## SPECIAL INVITEES

MEMBER	COMPANY
Mr. Rajeev R. Panse	Autocomp Corporation Panse Pvt. Ltd.
Mr. Abhishek Jain	PPAP Automotive Ltd.
Mr. Nitin Bahl	Radiant Polymers Ltd.
Mr. Navin Paul	UNO MINDA Group
Mr. Parasuraman T. R.	Toyota Industries Engine India Pvt. Ltd.

## REGIONAL CHAIRPERSONS

MEMBER	COMPANY
<b>EASTERN REGION</b> - Mr. Sanjay Sabherwal	Metaldyne Industries Ltd.
<b>NORTHERN REGION</b> - Mr. Deepak Chopra	Spicer India Ltd.
<b>SOUTHERN REGION</b> - Mr. P. Kaniappan	WABCO India Ltd.
<b>WESTERN REGION</b> - Mr. Piyush I. Tamboli	Investment & Precision Castings Ltd.

## CO-REGIONAL CHAIRPERSONS

MEMBER	COMPANY
<b>EASTERN REGION</b> - Mr. Ranjot Singh	Emdet Jamshedpur Pvt. Ltd.
<b>NORTHERN REGION</b> - Ms. Shradha Suri Marwah	Subros Ltd.
<b>SOUTHERN REGION</b> - Ms. Shuba Kumar	Natesan Synchrocones Pvt. Ltd.
<b>WESTERN REGION</b> - Mr. Piyush Munot	KCTR Varsha Automotive Pvt. Ltd.

## ZONAL CO-ORDINATORS

## EASTERN REGION

MEMBER	ZONE	COMPANY NAME
Mr. Tapas Sahu	Jamshedpur	Highco Engineers (P) Ltd.
Mr. Mayank Kejriwal	Kolkata	Kiswok Industries Pvt. Ltd.

## NORTHERN REGION

MEMBER	ZONE	COMPANY NAME
Mr. U. S. Ahuja	Punjab & Himachal Pradesh	New Swan Enterprises
Mr. Hitesh Jain	Uttarakhand	Roop Polymers Ltd.
Mr. Y. K. Jayaswal	Uttar Pradesh & Faridabad	Shriram Pistons & Rings Ltd.
Mr. Kiran Deshmukh	New Delhi, Haryana, Rajasthan	Sona BLW Precision Forging Ltd.

## SOUTHERN REGION

MEMBER	ZONE	COMPANY NAME
Mr. Chakravarthi Chukkapalli	Andhra Pradesh	Kusalava International Ltd.
Mr. J. Sridhar	Chennai & Nearby	Magal Engg. Tech Pvt. Ltd.
Mr. K. Saravanan	Coimbatore	Roots Industries Ltd.
Mr. S. Baligar	Karnataka & Hosur	Toyota Kirloskar Auto Parts Pvt. Ltd.

## WESTERN REGION

MEMBER	ZONE	COMPANY NAME
Mr. Pawan Choudhary	Aurangabad	Hindustan Composites Ltd.
Mr. Gaurav Motwane	Nashik	MSL Driveline Systems Ltd.
Mr. Vijay Menon	Kolhapur/Satara	Menon and Menon Ltd.
Mr. Devendra Jain	Pithampur/Dewas (MP)	Porwal Auto Components Ltd.
Mr. P. B. Rajmohan	Central Gujarat Zone	Precision Autowares Pvt. Ltd.
Mr. Samir Patel	Surashtra (Gujarat)	Orbit Bearings India Pvt. Ltd.

## WORKFORCE 2018-19

### HEAD OFFICE

Anupam Kaushik

Ashok Kumar

Ashwani Kumar

Binny Tomy

Chandu Chaudhary

Debashish Maity

Deepak Rajput

Eckta

Harish Kapoor

Muskan Jain

Praveen Belwal

Prem Kumar

Rajeshwar Rai

Sudip Guha Roy

Rupender Kaushik

Vijay Kanojia

Vikram Saigal

Vinnie Mehta

### EASTERN REGION

Vadivelan Gounder

Yogita Satpathy

Rahul Kumar

### NORTHERN REGION

Deepti Panikker

Hansraj Sarma

Jairaj Kumar

Mayank Nigam

Meenakshi Narayanan

### SOUTHERN REGION

Abirami B.

Anil Kumar Unni

G Mani

Neeraja S. Rao

R. Hariram

R. Raja Shekhar

### WESTERN REGION

Akash Kumar

Alok Pawar

Ashwani Jotshi

Ashwini Anupam Kulkarni

Hemant Parmar

Lincy Varghese

Sandesh Taide

Sudesh Janardhan Sutar

Suhas Appa Padave



**PILLAR 1****BUSINESS  
DEVELOPMENT**

Abhishek Chopra  
Amit Mukherjee  
Lokesh Raina  
Monika S. Handa  
Niladri Mallick  
Pooja Sharma  
Rajat Gaur  
Sapna Vijh

**PILLAR 2****GOVERNMENT  
ADVOCACY,  
REGULATORY AND  
RESEARCH**

Seema Babal  
Sushil Rajput  
Vinnie Mehta

**PILLAR 3****SKILLING, EDUCATION  
& MENTORSHIP**

Abhinav Rastogi  
Aniket Khasnis  
Arun Kumar  
Atul Kr. Gupta  
Damodar Gupta  
Deepak Jain  
Dinesh A. Vedpathak  
Dinesh Rana  
Eckta  
Ekta Agarwal  
K. Karthik  
Mahesh Gupta  
Raginee Singh  
Rajat Puri  
Rupesh Sonania  
Sakshi S. Karkamkar  
Sanjay Kumar Pal  
Sanket Jadhav  
Sapna Milind Baravkar  
Shambhavi Yadav  
Smita Kulkarni  
Sonu Rawat  
Sunil Mutha  
Tanu Ahuja  
V K Sharma  
Vishal Saxena

**PILLAR 4****OVERSEAS  
INVESTMENTS  
AND INTERNATIONAL  
ALLIANCES**

Amit Mukherjee  
Anjali Nair

**PILLAR 5****INDUSTRY & ACMA  
IMAGE/PR &  
COMMUNICATION**

Upendra Singh  
Vinnie Mehta

## LIST OF MEMBERS

### A

A. G. Industries Pvt. Ltd.  
A. Raymond Fasteners India Pvt. Ltd.  
Aakar Foundry Pvt. Ltd.  
AAM India Manufacturing Corporation Pvt. Ltd.  
Aar Aar Technoplast Pvt. Ltd.  
Aarupadai Veedu Institute of Technology  
Abhijeet Industries Pvt. Ltd.  
Abhijeet Plastics India Pvt. Ltd. Unit III  
Abhijeet Techno-Plast (I) Pvt. Ltd.  
Abilities India Pistons & Rings Ltd.  
Able Spring Manufacturers  
Accolade Electronics Pvt. Ltd.  
Accurate Products Corporation Pvt. Ltd.  
Ace International  
Acec Engineering Pvt. Ltd.  
Adient India Pvt. Ltd.  
Aditya Auto Products & Engineering (I) Pvt. Ltd.  
Admach Auto India Ltd.  
Advance Cable Technologies Pvt. Ltd.  
Advance Forgings Pvt. Ltd.  
Advance Industries  
Advik Hi-Tech Pvt. Ltd.  
Agni College Of Technology  
Agrasen Engineering Industries Ltd.  
Agrim Components Pvt. Ltd.  
AISIN Automotive Karnataka Pvt. Ltd.  
Ajit Industries Pvt. Ltd.  
Akal Spring Ltd.  
ALF Engineering Pvt. Ltd.  
Alfa Flexitubes Pvt. Ltd.  
Alfa Rubber & Springs Pvt. Ltd.  
Alicon Castalloy Limited  
Alkraft Thermotechnologies Pvt Ltd  
All India Rubber Industries Association  
Allena Auto Industries Pvt. Ltd.  
Alleward IAI Suspensions Pvt. Ltd.

Allied Autotech International Pvt. Ltd.  
Allied JB Friction Pvt. Ltd.  
Allied Nippon Ltd.  
Allied Transmission & Gears Pvt. Ltd.  
Almighty Auto Ancillary Pvt. Ltd.  
ALP Nishikawa Company Pvt. Ltd.  
Amalgamations Repco Ltd.  
Amar Autotech Pvt. Ltd.  
Amar Udyog  
Ambattur Industrial Estate Manufacturers' Association (AIEMA)  
Ambika Steels Limited  
Ambika Auto Industries  
Ample Auto Tech Pvt. Ltd.  
Amul Industries Pvt. Ltd.  
Amvion Automotive Pvt Ltd  
AMW Auto Component Ltd.  
Anand Automotive Pvt. Ltd.  
Anand CY Myutec Automotive Pvt. Ltd.  
Anand I-Power Ltd.  
Anand Motor Products Pvt. Ltd.  
Anand NVH Products (P) Ltd.  
Anand Piston International  
Anest Iwata Motherson Pvt. Ltd.  
Anita Enterprises  
Anu Industries Ltd.  
Apex Transmission Pvt. Ltd.  
Apls Automotive Industries Pvt. Ltd.  
Aptiv Components India Private Limited  
ARB Bearings Ltd  
Aristocraft International Pvt. Ltd.  
ARN Sealing Components  
Arun Associates  
Arvind Engineering Works Ltd.  
Asahi India Glass Ltd.  
Ashimori India Pvt Ltd.  
Ashok Agencies  
Ashok Iron Works Pvt. Ltd.  
Ashra Consultants Pvt Ltd.

Ashutosh Rubber Pvt. Ltd.  
ASK Automotive Pvt. Ltd.  
ASL Industries Limited  
ASP Sealing Products Ltd.  
Aspee Springs Ltd.  
Associated Manufacturing LLP  
Atop Fasteners Pvt. Ltd.  
Aurangabad Electricals Ltd.  
Authentication Solution Providers' Association (ASPA)  
Auto Cluster Development and Research Institute Ltd.  
Auto Ignition Ltd.  
Auto Pins (India) Ltd.  
Auto Shell Perfect Moulder Ltd.  
Autocomp Corporation Panse Pvt. Ltd.  
Autocop (India) Pvt. Ltd.  
Autofit Pvt. Ltd.  
Autoflex Pvt. Ltd.  
Autoliv India Pvt. Ltd.  
Automotive Axles Ltd.  
Automotive Valves Pvt. Ltd.  
Autostart India Pvt. Ltd.  
AVO Carbon India (P) Ltd.  
AVR Valves Pvt. Ltd.  
AVS Brake Linings Pvt. Ltd.  
Avtec Ltd.  
AVX Electronics Sensing & Control (I) Pvt. Ltd.  
Axles India Ltd.

### B

B. J. Spring Ltd.  
Badve Engineering Ltd.  
Bajaj Motors Ltd.  
Balu India  
BALLKINGS  
Banco Products (India) Ltd.  
BAPL Rototech Pvt. Ltd.

BASF Catalysts India Pvt. Ltd.  
 Baynee Industries  
 Bee Pee Engineering  
 Bellite Springs Pvt. Ltd.  
 Belmaks Pvt. Ltd.  
 Belmont Rubber Pvt. Ltd.  
 Benara Bearings & Pistons Ltd.  
 Benara Udyog Ltd.  
 Besmak Components Pvt. Ltd.  
 Besoto Starting Systems Pvt. Ltd.  
 Best Koki Automotive (P) Ltd.  
 Bharat Enterprises  
 Bharat Forge Ltd.  
 Bharat Gears Ltd.  
 Bharat Seats Ltd.  
 Bhavani Industries India LLP  
 Bill Forge Pvt. Ltd.  
 Bimetal Bearings Ltd.  
 Bindra Motors Pvt. Ltd.  
 BMC Metalcast Pvt. Ltd.  
 Bohra Rubber Pvt. Ltd.  
 Bollhoff Fastenings Pvt. Ltd.  
 Bony Polymers Pvt. Ltd.  
 Borgwarner Cooling Systems India Pvt. Ltd.  
 BorgWarner Morse Systems India Private Ltd.  
 Bosch Chassis Systems India Pvt. Ltd.  
 Bosch Ltd.  
 Brady Company India Pvt. Ltd.  
 Brakes India Pvt. Ltd.  
 Brakewel Automotive Components (I) Pvt. Ltd.  
 Brembo Brake India Pvt. Ltd.  
 Brite Polytech Private Limited  
 Brose India Automotive Systems Pvt. Ltd.  
 BSA Corporation Ltd.  
 Bundy India Ltd.

**C**

Calex Auto.  
 Caltherm Thermostats Pvt. Ltd.  
 Caparo Engineering India Ltd.  
 Carl Bechem Lubricants (India) Pvt. Ltd.  
 Carlisle Trading & Manufacturing India Pvt. Ltd.  
 Carrier Wheels Pvt. Ltd.  
 Celestial Wheels Pvt. Ltd.  
 CG Power and Industrial Solutions Ltd.  
 Chamber of Marathwada Industries and Agriculture  
 Chandok Automotive Manufacturers Ltd.  
 Chaphekar Engineering Pvt. Ltd.  
 Chopra Autotech Pvt. Ltd.  
 Chopra Industries Pvt. Ltd.  
 CI Car International Pvt. Ltd.  
 Circlips India Pvt. Ltd.  
 Climax Overseas Pvt. Ltd.  
 Comstar Automotive Technologies Pvt. Ltd.  
 Concentric Pumps Pune Pvt. Ltd.  
 Conic Automotive Pvt. Ltd.  
 Consult Techniques (I) Pvt Ltd  
 Continental Automotive Components (India) Pvt. Ltd.  
 Continental Engines Pvt. Ltd.  
 Cooper Corporation Pvt. Ltd.  
 Coventry Coil-O-Matic (HR) Ltd.  
 Crescent Foundry Co. Pvt. Ltd.  
 CRP (India) Pvt. Ltd.  
 Cummins Technologies India Ltd.

**D**

Daejung Moparts Pvt. Ltd.  
 Dali & Samir Engineering Pvt. Ltd.  
 Dana India Pvt. Ltd.  
 Datta Industries  
 DCM Engineering Products  
 Delfingen India Pvt. Ltd.  
 Dell'orto India Pvt. Ltd.  
 Delphi-TVS Technologies Ltd.  
 Delux Bearings Pvt. Ltd.

Denso International India Pvt. Ltd.  
 Deusch Kyosei Engineering Pvt Ltd  
 Deusch Motocomp Pvt. Ltd.  
 Devendra Autocom Pvt. Ltd.  
 Devilog Systems (India)  
 Dhoot Transmission Pvt. Ltd.  
 DIEHL Metal India Pvt. Ltd.  
 Donaldson India Filter Systems Pvt. Ltd.  
 Dr. M. G. R. Educational and Research Institute Trust  
 Drill Jig Bushing Co. (Madras) Pvt. Ltd.  
 Duroshox Pvt. Ltd.  
 DY Auto India Pvt. Ltd.  
 Dyna-K Automotive Stampings Pvt. Ltd.

**E**

Eastern Alloys Pvt. Ltd.  
 Eaton Industrial Systems Pvt. Ltd.  
 Ecocat (India) Pvt. Ltd.  
 Ehara Industries  
 EL-Chico Clutch Pvt. Ltd.  
 Elcomponics Sales Pvt. Ltd.  
 Electromags - A Division of Bombay Burmah Trading Corp. Ltd.  
 Elofic Industries Ltd.  
 Emdet Jamshedpur Pvt. Ltd.  
 Emission Controls Manufacturers Association  
 Emkay Automobile Industries Ltd.  
 Emmbros Autocomp Ltd.  
 Enco Engineers Combine Pvt Ltd  
 Endurance Technologies Ltd.  
 Engineering Technologies  
 Essae Digitronics Pvt. Ltd.  
 Esteem Auto Pvt. Ltd.  
 Excel Controlinkage Private Limited  
 Exedy India Ltd.  
 Exotech Zenini Industries Pvt. Ltd.

**F**

Fairfield Atlas Ltd.  
 Fanuc India Private Ltd.

Faurecia Automotive Seating India Pvt. Ltd.  
 Faurecia Emissions Control Technologies India Pvt. Ltd.  
 Faurecia India Pvt. Ltd.,  
 Federal-Mogul Goetze (India) Ltd.  
 Fiem Industries Ltd.  
 Filtrum Polymers Pvt Ltd  
 Fine Blanking Pvt. Ltd.  
 Fitco Engineers Pvt. Ltd.  
 Flash Electronics (I) Pvt. Ltd.  
 Fleetguard Filters Pvt. Ltd.  
 Flometallic India Private Limited  
 Flowwell Castings Pvt. Ltd.  
 Flywheel Ring Gears Pvt. Ltd.  
 Foundation Brake Manufacturing Pvt. Ltd.  
 Freudenberg-NOK Private Limited  
 Friends Castings Pvt. Ltd.  
 Furukawa Minda Electric Pvt. Ltd.

**G**

G B Rubber Products  
 G I Auto Pvt. Ltd.  
 G. S. Auto International Ltd.  
 G. S. Autocomp Pvt. Ltd.  
 Gabriel India Ltd.  
 Gajra Gears Pvt. Ltd.  
 Gala Precision Engineering Pvt. Ltd.  
 Galaxy Bearings Ltd.  
 Galaxy Indicators (I) Pvt. Ltd.  
 Garrett Motion Technologies (India) Private Limited  
 Gatiman Auto Pvt. Ltd.  
 Gestamp Automotive Chennai Private Ltd.  
 Ghaziabad Precision Products Pvt. Ltd.  
 Gilard Electronics Pvt. Ltd.  
 GKDITR- Tooling Centre  
 GKN Driveline (India) Ltd.  
 GKN Sinter Metals Pvt. Ltd.  
 Global Automotive Components (P) Ltd.  
 Global Autotech Ltd.  
 Global Liners  
 GNA Axles Ltd.

GNA Gears Ltd.  
 GNA Udyog Ltd.  
 Gold Seal-Saar Gummi India Pvt. Ltd.  
 Goldy Precision Stampings Pvt. Ltd.  
 Grace Infrastructure Pvt. Ltd.  
 Graziano Trasmissioni India Pvt. Ltd.  
 Greenfuel Energy Solutions Pvt. Ltd.  
 Grind Master Machines Pvt. Ltd.  
 Gulati Auto Electricals Pvt. Ltd.  
 Guru Nanak Auto Enterprises Ltd.

**H**

Holdex India Pvt. Ltd.  
 Hampson Industries Pvt. Ltd.  
 Hanon Automotive Systems India Pvt Ltd  
 Hanon Climate Systems India Pvt. Ltd.  
 Happy Steels Pvt. Ltd.  
 Harinder Industries Pvt Ltd  
 Harita Fehrer Limited  
 Harita Seating Systems Ltd.  
 Harita-NTI Limited  
 Harsha Engineers Ltd.  
 Hella India Automotive Pvt Ltd.  
 Hella India Lighting Ltd.  
 Helvoet Rubber & Plastic Technologies (India) Pvt. Ltd.  
 Hero Cycles Ltd.  
 Highco Engineers (P) Ltd.  
 Highway Industries Ltd.  
 Hilux Auto Electric Pvt. Ltd.  
 Hi-Lux Automotive Pvt. Ltd.  
 HIM Teknoforge Ltd.  
 Hindustan Composites Ltd.  
 Hirschvogel Components India Pvt. Ltd.  
 Hitachi Automotive System Pune Pvt. Ltd.  
 Hitkari Hitech Fibres Pvt. Ltd.  
 Hodek Vibration Technologies Pvt. Ltd.  
 Horizon Industrial Products Pvt. Ltd.  
 Huf India Pvt. Ltd.

**I**

I E Auto Industrial Enterprise Pvt. Ltd.  
 IAI Joinflex India Pvt. Ltd.  
 IFB Automotive Pvt. Ltd.  
 IFB Industries Ltd.  
 IM Gears Pvt. Ltd.  
 Imperial Auto Industries Ltd.  
 India Forge and Drop Stampings Ltd.  
 India Japan Lighting Pvt. Ltd.  
 India Nippon Electricals Ltd.  
 India Pistons Ltd.  
 Indian Diecasting Industries  
 Indication Foundry Organization  
 Indication Instruments Ltd.  
 Indo Autotech Ltd.  
 Indo-MIM Pvt. Ltd.  
 Indo-Schottle Auto Parts Pvt. Ltd.  
 Indo-Shell Mould Ltd.  
 Industrial Engineering Syndicate  
 Industrial Rubber Products  
 Infineon Technologies India Pvt. Ltd.  
 Injectoplast Pvt. Ltd.  
 Innova Rubbers Pvt. Ltd.  
 Integra Automation Pvt. Ltd.  
 Interface Microsystems  
 Inteva Products India Automotive Pvt. Ltd.  
 Investment & Precision Castings Ltd.  
 IP Rings Ltd.  
 IST Ltd.

**J**

J. K. Fenner (India) Ltd.  
 J. S. Enterprises  
 Jagan Lamps Ltd.  
 Jaidarshan Indocraft Pvt. Ltd.  
 Jalex Automotive Pvt. Ltd.  
 Jalex Tuboflex  
 Jamna Auto Industries Ltd.  
 Japji Enterprises  
 Jay Bharat Maruti Ltd.  
 Jay Switches (India) Pvt. Ltd.

Jay Ushin Ltd.  
Jaya Hind Industries Ltd.  
Jayanti Rubber Industries  
Jayashree Polymers Pvt. Ltd.  
Jayem Auto Industries Pvt. Ltd.  
JBM Auto Ltd.  
JBM Ogihara Automotive India Ltd.  
JM Frictech India Pvt. Ltd.  
JRG Automotive Industries (I) Pvt. Ltd.  
JSG Innotech Private Limited  
JSK Bearings Company Pvt. Ltd.  
JTEKT Sona Automotive India Ltd.  
Jumps Auto Industries Ltd.

**K**

K. S. C. Engineers Pvt. Ltd.  
K.R. Industries  
Kach Motors Pvt. Ltd.  
Kafila Forge Ltd.  
Kalsi Engineering Company  
Kalyani Forge Ltd.  
Kamal CED Solutions LLP  
Kanerī Enterprises  
Karthikeya Industries  
Kavia Engineering Private Ltd.  
Kay Jay Forgings Pvt. Ltd.  
KCTR Varsha Automotive Pvt. Ltd.  
Keihin India Manufacturing Pvt. Ltd.  
Kems Forgings Ltd.  
KIE Engineering Pvt. Ltd.  
Kigotek Automotriz Pvt. Ltd.  
Kiran Udyog  
Kirat Plastics Pvt. Ltd.  
Kishan Autoparts Pvt. Ltd.  
Kiswok Industries Pvt. Ltd.  
Klassic Wheels Pvt. Ltd.  
Klassic Lamitex Pvt. Ltd.  
KMP Manufacturing Company  
Knorr-Bremse Systems for Commercial Vehicles India Pvt. Ltd.  
Kongovi Pvt. Ltd.  
Kores (India) Ltd.

KOSTAL India Pvt. Ltd.  
Kova Fasteners Pvt. Ltd.  
Koyo Bearings India Pvt. Ltd.  
KPIT Technologies Ltd.  
Krishna Maruti Ltd.  
Kross Limited  
KSPG Automotive India Pvt. Ltd.  
KSS Abhishek Safety Systems Pvt. Ltd.  
Kulkarni Engineers  
Kunal Auto Industries Pvt. Ltd.  
Kusalava International Ltd.

**L**

L. G. Balakrishnan & Bros. Ltd.  
Lakhani Rubber Works  
Laska Engineering Co.  
Laxmi Metal Pressing Works Pvt. Ltd.  
Lear Automotive India Pvt. Ltd.  
Lee Spring Company India Pvt. Ltd.  
Lifelong India Pvt. Ltd.  
Linamar India Pvt. Ltd.  
Litens Automotive (India) Pvt. Ltd.  
LPS Bossard Pvt. Ltd.  
Lucas TVS Ltd.  
Lumax Auto Technologies Ltd.  
Lumax Cornaglia Auto Technologies Pvt. Ltd.  
Lumax DK Auto Industries Ltd.  
Lumax Industries Ltd.  
Lumax Mannoh Allied Technologies Ltd.  
Luthra Industrial Corporation

**M**

M & M Machine Craft Pvt. Ltd.  
M.D. Industries  
M.K. Auto Industries  
M.K. Auto Components India Ltd.  
M.V.D. Auto Components Pvt. Ltd.  
Maadhav Automotive Fasteners Pvt. Ltd.  
Macas Automotive  
Machino Plastics Ltd.  
Machino Polymers Ltd.

Maco Pvt. Ltd.  
Madhusudan Auto Ltd.  
Madras Engineering Industries Pvt. Ltd.  
Madras Radiators And Pressings Ltd.  
Magal Engg. Tech Pvt. Ltd.  
Magna Automotive Ltd.  
Magna Automotive (India) Pvt. Ltd.  
Magnetī Marelli India Pvt. Ltd.  
Magnum MI Steel Pvt. Ltd.  
Mahavir Die Casters Pvt. Ltd.  
Mahesh Industries  
Mahindra CIE Automotive Ltd.  
Mahindra Logistics Limited  
MAHLE Anand Filter Systems Pvt. Ltd.  
MAHLE Anand Thermal Systems Pvt. Ltd.  
MAHLE Engine Components India Pvt. Ltd.  
Maharatta Chamber of Commerce, Industries & Agriculture  
Maini Plastics and Composites Pvt. Ltd.  
Maini Precision Products Ltd.  
Makino Auto Industries Pvt. Ltd.  
Makino Automotive  
Maltown Electrics Pvt. Ltd.  
Mandap International Pvt. Ltd.  
Mandira Marketing Pvt. Ltd.  
Mando Automotive India Pvt. Ltd.  
Mangal Industries Ltd.  
Mann and Hummel Filter Pvt. Ltd.  
Mansons International Pvt. Ltd.  
Marathwada Auto Compo Pvt. Ltd.  
Mark Exhaust Systems Ltd.  
Marshall Machines Limited  
Marsilli India Pvt. Ltd.  
Marvel Vinyls Ltd.  
Masu Brakes Pvt. Ltd.  
Maxop Engineering Co. Pvt. Ltd.  
Mayur Uniquoters Ltd.  
Meenakshi Polymers Pvt. Ltd.  
Mega Rubber Technologies Pvt. Ltd.  
Megatrend Fabcon Pvt. Ltd.  
Meghdoot Pistons Pvt. Ltd.  
Mehta Automotive Pvt. Ltd.

Menata Automotive Components Pvt. Ltd.  
Menon and Menon Ltd.  
Metaforge Engineering (India) Pvt. Ltd.  
Metal Form  
Metaldyne Industries Ltd.  
Metallic Auto Liners Pvt. Ltd.  
Metalman Auto Pvt. Ltd.  
Metalman Micro Turners  
Metalsa India Pvt. Ltd.  
Metexim (Sourcing) Pvt. Ltd.  
Micron Enterprises  
Microsign Products  
Mikuni India Pvt. Ltd.  
Milacron India Pvt. Ltd.  
Milestone Gears Pvt. Ltd.  
Minda Corporation Ltd.  
Minda Industries Ltd.  
Minda SAI Ltd.  
Minda Stoneridge Instruments Ltd.  
Minda Vast Access Systems Pvt. Ltd.  
Mindarika Pvt. Ltd.  
Mitsuba Sical India Ltd.  
Mitsubishi Electric Automotive India Pvt. Ltd.  
MKLIDE Auto Clutch Industries Ltd.  
MM Auto Industries Limited  
Mobis India Ltd.  
Moonlight Auto Pvt. Ltd.  
Motherson-Sumi Systems Ltd.  
Motoplast Components  
MSL Driveline Systems Limited  
MSS Filtration Engineering Process Pvt. Ltd.  
MT Autocraft  
Mubea Automotive India Pvt. Ltd.  
Mudhra Fine Blanc Private Limited  
Mukesh Kumar & Sons (HUF)  
Multitech Auto Pvt. Ltd.  
Mungi Engineers Pvt. Ltd.  
Munjali Auto Industries Ltd.  
Munjali Kiriu Industries Pvt. Ltd.  
Munjali Showa Ltd.  
Musashi Auto Parts India Pvt. Ltd.

Mutha Founders Pvt. Ltd.

Muthayammal Educational Trust and Research Foundation

Mutual Industries Ltd.

## N

Nachi Technology India Pvt. Ltd.

Nachimuthu Industrial Association

Nagata Auto Engineering India Private Limited

Napino Auto & Electronics Ltd.

Narasipur Auto Components Pvt. Ltd.

Nash Products

Natesan Synchrocones Pvt. Ltd.

National Engineering Industries Ltd.

National Piston Rings (India)

Nelcast Ltd.

Nemak Aluminium Castings India Pvt. Ltd.

Neolite ZKW Lightings Pvt. Ltd.

NeoSym Industry Ltd.

Nettur Technical Training Foundation

New Engineering Works

New Swan Autocomp (P) Ltd.

New Swan Enterprises

Nexteer Automotive India Pvt. Ltd.

NGK Spark Plugs (India) Pvt. Ltd.

NHK Automotive Components India Pvt. Ltd.

Nicks Auto Industries Pvt. Ltd.

Nifco India Pvt. Ltd.

Nikam Iron Sintered Products Pvt. Ltd.

Nipman Fastener Industries Pvt. Ltd.

Nippon Audiotronix Ltd.

Nippon Thermostat (India) Ltd.

Nissim India Pvt. Ltd.

Nitto Denko India Pvt. Ltd.

Norma Group Products India Pvt. Ltd.

NPL Bluesky Automotive Pvt. Ltd.

NRB Bearings Ltd.

NTF (India) Pvt. Ltd.

## O

Ocap Chassis Parts Pvt. Ltd.

Oerlikon Friction Systems (India) Ltd.

Oetiker India Pvt. Ltd.

Okemo India

Omax Autos Ltd.

Onassis Auto Ltd.

Orbit Bearings India Pvt. Ltd.

Oswal Castings Pvt. Ltd.

Owari Precision Products (India) Pvt. Ltd.

Oxford Plast India Pvt. Ltd.

## P

Pacco Industrial Corporation

Padmini VNA Mechatronics Pvt. Ltd.

Paracoat Products Ltd.

Paragon Industries

Paranjape Autocast Pvt. Ltd.

Paras Auto Industries

Parathasarathy Seeniammal Educational Trust

Parkash Automotive Industries (P) Ltd.

Paul Components Pvt. Ltd.

Pavna Auto Engineering Pvt. Ltd.

Pearl Engineering Co.

Pee Aar Exim Pvt. Ltd.

Perfect Polymers

Piano Presitel

Pinnacle Industries Ltd.

Plastic Omnium Auto Exteriors (India) Pvt. Ltd.

Polyplastics Industries (India) Pvt. Ltd.

Pooja Forge Ltd.

Poona Shims Pvt. Ltd.

Porwal Auto Components Ltd.

Power Electronics

Power Industries

PPAP Automotive Ltd.

Prabha Engineering Pvt. Ltd.

Pranav Vikas (India) Pvt. Ltd.

Precision Autowares Pvt. Ltd.

Precision Camshafts Ltd.

Precision Cups Pvt. Ltd.  
Precision Engineering  
Precision Profiles India  
Precision Tech Enterprises  
Precitek Components Pvt. Ltd.  
Premier Plasmotec Pvt. Ltd.  
Presco-Mec Autocomp Pvt. Ltd.  
Pricol Ltd.  
Prime Elastomers Pvt. Ltd.  
Pritika Industries Ltd.  
Production Aids & Consultants (P) Ltd.  
Progressive Gear Industries (P) Ltd.  
Propel Metaltech  
Prospective Engineering Works  
Protectron Electromech Pvt. Ltd.  
PRS Permacel Pvt. Ltd.  
Punch Ratna Fasteners Pvt. Ltd.  
Punjab Bevel Gears Ltd.  
Purofil Auto (India) Pvt. Ltd.  
Pushkar Techno Private Ltd.  
PYN Autocomp Private Limited

**Q**

QH Talbros Pvt. Ltd.

**R**

R. E. Components Pvt. Ltd.  
R.P. Autostyles  
R.K. Profiles Pvt. Ltd.  
RACL Geartech Ltd. (Formerly Raunaq Automotive Components Ltd.)  
Radhey Autotech  
Radiant Polymers Pvt. Ltd.  
Rajatdeep Overseas Pvt. Ltd.  
Rajhans Pressings Pvt. Ltd.  
Rajsriya Automotive Industries Pvt. Ltd.  
Ram Ratna Wires Limited  
Ramkrishna Forgings Ltd.  
Ramsays Corporation Pvt. Ltd.  
Rane (Madras) Ltd.  
Rane Brake Lining Ltd.  
Rane Engine Valve Ltd.

Rane NSK Steering Systems Pvt.Ltd.  
Rane TRW Steering Systems Pvt.Ltd.  
Ranee Polymers Pvt. Ltd.  
Rangamma Steels & Malleables  
Rasandik Engg. Industries (I) Ltd.  
RDH Auto  
Reflexallen India Private Limited  
Remsons Industries Ltd.  
Rico Auto Industries Ltd.  
Rico Castings Ltd.  
Right Tight Fastner Pvt. Ltd.  
Ring Plus Aqua Ltd.  
Rockman Industries Ltd.  
Rolex Rings Pvt. Ltd.  
Roop Automotives Ltd.  
Roop Polymers Ltd.  
Roots Industries India Ltd.  
Rosmerta Autotech Pvt. Ltd.  
Rotary Electronics Pvt. Ltd.  
Rolex Automation Ltd.  
RPK India Pvt. Ltd.  
RSB Transmissions (I) Ltd.  
Rucha Engineers Pvt. Ltd.  
Rukman Udyog

**S**

S.K. Spring Co.  
S. M. Auto Engineering Pvt. Ltd.  
S. S. Engineering Works  
S.M. International  
SAC Engine Components Pvt. Ltd.  
Sadhu Forging Ltd.  
Safexpress Pvt. Ltd.  
Sainik Spring Works  
Saint Gobain India Pvt. Ltd.  
Sakthi Auto Component Ltd.  
Samarth Engg. Co. Pvt. Ltd.  
Sandeep Metalcraft Pvt. Ltd.  
Sanden Vikas (India) Pvt. Ltd.  
Sandhar Technologies Ltd.  
Sanjeev Auto Parts Manufacturers Pvt. Ltd.

Sankar Sealing Systems Pvt. Ltd.  
Sansera Engineering (P) Ltd.  
Saraswati Industries  
Sathya Auto Pvt. Ltd.  
Sati Auto Components Pvt. Ltd.  
Satyam Auto Components Ltd.  
Saurat Auto-Tech Private limited  
Schaeffler India Limited  
Sebros Auto Pvt. Ltd.  
Seema & Co..  
SEG Automotive India Pvt. Ltd.  
Sekisui DLJM Molding Pvt. Ltd.  
Sellowrap EPP India Pvt. Ltd.  
Sellowrap Industries Pvt. Ltd.  
Senior India Pvt. Ltd.  
Senior Rubbers Pvt. Ltd.  
Sensing Technologies Pvt. Ltd.  
SEP India Pvt. Ltd.  
Setco Automotive Ltd.  
Shantdeep Metals Pvt. Ltd.  
Sharda Motor Industries Ltd.  
Sheet Shapers India Pvt. Ltd.  
Shilpan Steelcast Pvt. Ltd.  
Shiraki Technico India Pvt. Ltd.  
Shivam Autotech Ltd.  
Shivani Locks Pvt. Ltd.  
Shore Auto Rubber Exports Pvt. Ltd.  
Showa India Pvt. Ltd.  
Shree Amba Industries  
Shree Balaji Alumnicast Pvt. Ltd.  
Shree Ganesh Metal Works  
Shree Sainath Industries  
Shree Shyam Global  
Shriram Foundry Pvt. Ltd.  
Shriram Pistons & Rings Ltd.  
Shriram Rubber Products Pvt. Ltd.  
Sibar Autoparts Limited  
Siddhivinayak Aesthetics Pvt. Ltd.  
Sigma Automotive Materials Pvt. Ltd.  
Sigma Corporation (India) Ltd.  
Sigma Moulds & Stampings Pvt. Ltd.  
Silco Cables

Singhbhum Machinometal Pvt. Ltd.
Singla Forging
Sintercon India Ltd.
Sintex-BAPL Ltd.
SJS Enterprises Pvt Ltd
SKH Metals Ltd.
SKS Fasteners Ltd.
SLR Metaliks Limited
SMB Engine Valves
Smoto Industries Pvt. Ltd.
SOGEFI Engine Systems India Pvt. Ltd.
Somic ZF Components Ltd.
Sona BLW Precision Forgings Ltd.
Soni Auto & Allied Industries Ltd.
Spaco Technologies (India) Pvt. Ltd.
Special Engineering Services Ltd.
Spectra products Pvt. Ltd.
Spicer India Pvt. Ltd.
SPM Autocomp Systems Pvt Ltd.
Spun Micro Processing (P) Ltd.
SRM Institute of Science and Technology
SSV Valves
Standard Radiators Pvt. Ltd.
Star Auto Industries Pvt. Ltd.
Star Engineers (India) Pvt. Ltd.
Steelbird International
Steriware Plastic Products Pvt. Ltd.
Sterling Tools Limited
Stork Auto Engineering Pvt. Ltd.
Stork Rubber Products Pvt. Ltd.
Stumpp Schuele & Somappa Springs Pvt. Ltd.
Subros Ltd.
Sudhir Automotive Industries Pvt. Ltd.
Sudisa Foundry (P) Ltd.
Sujan Cooperstandard AVS Pvt. Ltd.
Sunbeam Auto Pvt. Ltd.
Sundaram Auto Components Ltd.
Sundaram Brake Linings Ltd.
Sundaram Clayton Ltd.
Sundaram Industries Pvt. Ltd.
Sundram Fasteners Ltd.

Sunflag Iron and Steel Company Limited
Sunpac Auto (India) Pvt. Ltd.
Sunplast Electronics Pvt. Ltd.
Sunstar Precision Forge Ltd.
Sunvisors India Pvt. Ltd.
Super Auto Forge Pvt. Ltd.
Super Circle Auto Ltd.
Super Nova Auto Industries
Super Seals India Ltd.
Supercircle Pvt. Ltd.
Suprajit Engineering Ltd.
Supreme Treon Pvt. Ltd.
Suraj Components Pvt. Ltd.
Suraj General Engineers (P) Ltd.
Surya Springs
Swastik Metal Industries
Swift Enterprise Pvt. Ltd.

## T

T.K. Precision Pvt. Ltd.
T.K.W. Fasteners Pvt. Ltd.
Takata India Pvt. Ltd.
Takashi Auto Components Pvt. Ltd.
Talbro's Automotive Components Ltd.
Talbro's Engineering Ltd.
Talbro's Sealing Materials Pvt. Ltd.
Tata Autocomp Systems Ltd.
Tata Toyo Radiator Ltd.
Taylor Rubber Pvt. Ltd.
Tech Auto Pvt. Ltd.
Technico Industries Ltd.
Techno Auto Products
Technocrat Connectivity Systems (P) Ltd.
Technomach (India)
Technosystems
Tej Industries
Teksons Pvt. Ltd.
Tenneco Automotive India Pvt. Ltd.
Terminal Technologies (I) Pvt. Ltd.
Texspin Bearings Ltd.
The Automotive Research Association of India

The Hi-Tech Engineering Systems Pvt. Ltd.
The Hi-Tech Gears Ltd.
The Supreme Industries Ltd.
Tosy Auto Products
Toyo Springs Ltd.
Toyoda Gosei South India Pvt. Ltd.
Toyota Boshoku Automotive India Pvt. Ltd.
Toyota Industries Engine India Pvt. Ltd.
Toyota Kirloskar Auto Parts Pvt. Ltd.
Toyotetsu India Auto Parts Pvt. Ltd.
Toyotsu Ambika Automotive Safety Components India Pvt. Ltd.
Track Components Ltd.
Transvahan Technologies India Pvt. Ltd.
Trigno Engineering Pvt. Ltd.
TRW Sun Steering Wheels Pvt. Ltd.
Tube Investments of India Ltd.
Turbo Energy Pvt.Ltd.
TVS Educational Society
TVS Logistics Services Ltd.
Twenty First Century Auto Locks Pvt. Ltd.

## U

Ucal Fuel Systems Ltd.
UFI Filters India Pvt. Ltd.
Ukay Metal Industries Pvt. Ltd.
Ultra Tech Suspensions Pvt. Ltd.
UMC Auto Industries Pvt. Ltd.
Uni Deritend Ltd.
Unique Spares & Automobiles
Unitech Precision Screws
Universal Wire Forms
Usha International Ltd.
USUI Susira International Private Ltd.



## V

V. S. Enterprises
Vaish Industries
Valeo India Pvt. Ltd.
Vanaz Engineers Ltd.
Varroc Engineering Pvt. Ltd.
VBROS Auto Pvt. Ltd.
VE Commercial Vehicles Ltd.
Vee Tee Auto Mfg. Co. (P) Ltd.
Veena Diecasters & Engineers Pvt. Ltd.
Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science & Technology
Vibracoustic India Pvt. Ltd.
Vibrant Auto Components Pvt. Ltd.
Vibromech Engineers and Services Ltd.
Victor Reinz India Pvt. Ltd.
Vijayshree Autocom Ltd.
Vikrant Auto Suspensions
Vinayak Rubber Products
Vinayaka C.N.C. Centre (P) Ltd.
Vinko Auto Industries Ltd.
VISA Steel Limited
Vishwakarma Automotive Pvt. Ltd. - II
Visteon Electronics India Private Limited
VNM Polymers Pvt. Ltd.
Voith Turbo Pvt. Ltd.

## W

WABCO India Ltd.
Wahi Sons Pvt. Ltd.
Watson & Chalin India Pvt. Ltd.
Western Auto Spares
Western Thomson (India) Ltd.
Wheels India Ltd.
Windals Precision Private Limited
Wings Automobile Products (Pvt.) Ltd.
Wire Rings
Wirecom (India) Pvt. Ltd.

## Y

Yapp India Automotive Systems Pvt. Ltd.
Yathartha Yantra Udyog
Yazadi India Pvt. Ltd.
Yeshshree Press Comps. Pvt. Ltd.
York Transport Equipment (India) Pvt. Ltd.
Yoshama And Company Pvt. Ltd.
Yugal Precision Pvt. Ltd.

## Z

Zenith Forge Pvt. Ltd.
Zenith Industries
ZF India Pvt. Ltd.
ZF Steering Gear (India) Ltd.
Ziel International

*\*List of members as on 31 March 2019*





# ACMA

Automotive Component Manufacturers  
Association of India

## HEAD OFFICE

6th Floor, The Capital Court, Olof Palme Marg,  
Munirka, New Delhi 110 067, India  
Tel: +91 11 2616 0315 | Fax: +91 11 2616 0317  
Email: [acma@acma.in](mailto:acma@acma.in)

## REGIONAL OFFICES

### Eastern Region

Room NO.4  
Centre for Excellence  
Jubilee Road  
Jamshedpur 831 001  
Jharkhand  
Tel: +91 657 656 0385  
2224670 Extn-24  
Telefax: +91 657 2230035  
E-mail: [acmaer@acma.in](mailto:acmaer@acma.in)

### Northern Region

6th Floor,  
The Capital Court,  
Olof Palme Marg,  
Munirka,  
New Delhi - 110 067  
Tel: +91 11 2616 0315  
Fax: +91 11 2616 0317  
E-mail: [acma@acma.in](mailto:acma@acma.in)

### Southern Region

1-B, "Crystal Lawn",  
20, Haddows Road,  
First Street,  
Chennai 600 006,  
Tamil Nadu  
Tel: +91 44 2833 0968  
+91 44 2833 0949  
Fax: +91 44 2833 0590  
E-mail: [acmasr@acma.in](mailto:acmasr@acma.in)

### Western Region

Office No. C,  
10<sup>th</sup> Floor, Godrej Eternia "C",  
Old Mumbai-Pune Highway,  
Wakdevadi, Shivaji Nagar,  
Pune 411 005  
Maharashtra  
Tel: +91 206606 1219  
Telefax: +91 20 6606 1220  
E-mail: [acmawr@acma.in](mailto:acmawr@acma.in)

## ZONAL OFFICES

### Northern Region

(Uttarakhand)  
C/o Minda Industries Ltd.,  
Sector 10, Plot No. 5, 9, 9A,  
Integrated Industrial Estate,  
Pantnagar, Rudrapur,  
Udham Singh Nagar - 263153,  
Uttarakhand  
E-mail: [acma.pantnagar@acma.in](mailto:acma.pantnagar@acma.in)

### Southern Region

(Karnataka & Hosur)  
Shop NO. 1, Commercial Complex,  
National Games Village,  
Koramangala, Bangalore 560 047  
Karnataka,  
Tel: +91 80 2570 2855  
Fax: +91 80 4093 9689  
E-mail: [acmakh@airtelmail.in](mailto:acmakh@airtelmail.in)

### Western Region

(Mumbai)  
80, Dr. Annie Besant Road,  
Worli, Mumbai 400 018  
Maharashtra  
Tel: +91 22 2493 3507  
2497 5877, 2498 6527  
Fax: +91 22 2493 6527  
E-mail: [acmawr@acma.in](mailto:acmawr@acma.in)

### Western Region

(Gujrat)  
801 "Matrix", Near Vodafone House,  
B/H Divya Bhaskar, Corporate Road,  
Prahladnagar,  
Ahmedabad 380015  
Gujrat, India  
Tel No: 079-40053306  
E-mail: [acmawr@acma.in](mailto:acmawr@acma.in)

### Western Region

(Madhya Pradesh)  
C/o Porwal Auto Components Ltd.  
Plot No. 209 & 215, Industrial Area,  
Dist. Dhar, Pithampur,  
Madhya Pradesh 454775  
Tel: 98938 60265  
E-mail: [acma.madhyapradesh@acma.in](mailto:acma.madhyapradesh@acma.in)