

**ACMA**

Automotive Component Manufacturers Association of India

June-July 2018

# AUTONEWS

Vol 11 No 73

Indian Auto Component Industry



Turnover Growth

**18.3%**

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# EDITOR'S NOTE



The year gone by witnessed an upswing in the overall performance of the vehicle industry, despite it facing several regulatory challenges. The component industry, in tandem, posted an encouraging performance with significant growth of 18.3 percent over the previous fiscal, registering a turnover of Rs. 3,45,635 crore (USD 51.2 billion). Further exports, grew by 23.9 per cent in FY 2017-18 to Rs.90,571 crore (USD 13.5 billion).

The dynamics of the automotive market is undergoing a significant transformation as the industry strives to become compliant with various regulations related to emissions, safety and environment, including the transition from BSIV to BSVI. That apart, key trends such as vehicle connectivity, electrification of vehicles, shared mobility, Industry 4.0 among others are also redefining mobility. To support the changing customer needs and to stay relevant, the auto component sector needs to be encouraged with supportive government policies.

One of the key demands of the industry has been a uniform 18% GST rate across the auto component sector; currently 60 per cent of the auto components attract 18 per cent GST rate, while the rest 40 per cent, majority of which are two-wheelers and tractor components, attract 28 per cent. The latter high rate has led to flourishing grey operations in the aftermarket. A benign rate of 18 per cent will not only ensure better compliance, but will also ensure a larger tax base. Further, considering the significant technological changes that the industry is undergoing, there is a critical need for creating a fund to support indigenous R&D and technology creation in the component industry as also for technology acquisition from other parts of the world. Lastly, as we prepare for the introduction of electric mobility in the country, a well defined, technology agnostic road-map with clear responsibilities of each stakeholder will go a long way in ensuring a smooth roll out as also leading to creation of a local supply base for the same.

**Vinnie Mehta**

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**ACMA AUTONEWS**

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# 1

## BUSINESS DEVELOPMENT



### Sharing of Best Practices and Sourcing Opportunities with **TATA - Hitachi, Kharagpur**



ACMA Eastern region organised a CEO's visit to Tata Hitachi, Kharagpur on July 5, 2018. The objective of the plant visit was business development and sharing of best practises.

Mr. Sandeep Singh, Managing Director, Tata Hitachi along with senior Management Team of Tata Hitachi welcomed ACMA delegation and explained about the Tata Hitachi Kharagpur plant. This is the newest manufacturing facility of Tata Hitachi which was inaugurated in December 2009. This is the only construction equipment manufacturing facility in India that has an Electro – Deposition Coating paint shop. In March 2016 this manufacturing facility was conferred with the TPM Excellence Award by the Japan Institute of Plant Maintenance (JIPM).



A vendor park has been strategically developed at Kharagpur adjoining the plant. At the same time focused efforts have been made to develop vendors in the nearby cities like Jamshedpur & Kolkata- shared Mr. Singh.

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.

The delegates were shown the workshop, assembly shop, wheeled assembly shop, hydraulic assembly bay and the training center. The safety arrangements, the visuals, the use of audio visuals to show the working of their equipments, everything as per the place designated for it, was appreciated by all.

15 MDs/CEOs from member companies visited Tata Hitachi. The visit was organized for business development and has surely initiated the dialogue.

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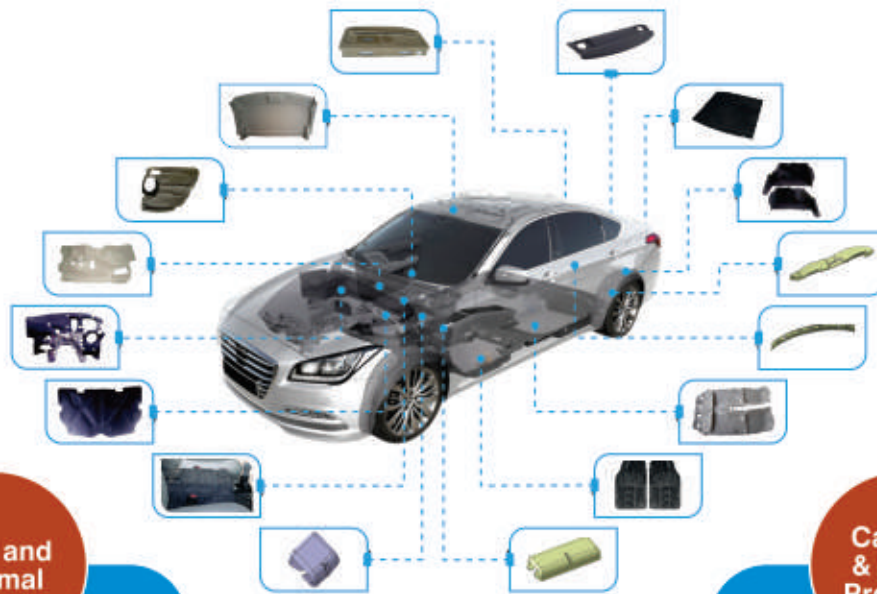


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Our Plant Locations : Mahad (Maharashtra), Jalisana (Gujarat), Greater Noida (Delhi NCR)

## Members Interaction with President, ACMA



ACMA Eastern Region organized the annual meet and interaction with Mr. Nirmal K. Minda, President, ACMA, with the eastern region members on 9th July 2018, at Hotel ALCOR, Bistupur, Jamshedpur.

Currently the component business is at an all-time high with production being at its peak. At this point it is important for us to optimize operations by strategizing the cash flow and invest wisely, said Mr. Sabharwal.

Mr. N. K. Minda stressed on the restructuring of ACMA to help guide and service its members in a better way. The restructuring came about by introducing 5 broad pillars:

- Business Development – domestic & international for both OEM and Aftermarket business
- Government Advocacy, Regulations & Research
- Skilling/ Education/ Training/ Mentorship/ Leadership Development
- Joint Ventures/ TA/ M&A/ Overseas Investments/ Industry Associates
- Industry/ ACMA Image/ PR Communication

While discussing all the pillars in detail, Mr. Minda discussed the international missions, Auto Expo components, Reverse Buyer-seller meet, Tech Expo with Hyundai, Maruti, Ford & Tata Motors and informed how ACMA exceeded the expectations of members in every event.

30 MDs/CEOs attended the interaction.





## ACT 5<sup>TH</sup> CASE STUDY COMPETITION

ACMA Centre for Technology organized ACT 5th Case Study Competition at Pune, on June 18, 2018. Total 108 case study projects presented during the competition. The Chief Guest for the competition was Ms. Sowmya Chaturvedi - Purchase Leader - Cummins India.



The Jury was led by Mr. Alok Saxena - Vice President (Purchasing and Supply Chain) - Former - Tata Motors Ltd, Mr. Nitin Bahulekar - GM - Former - Tata Motors Ltd, Mr. Pramod Gosavi - GM-Engineering - Bosch Chassis Systems India Pvt Ltd and Mr. V. G. Kulkarni - Sr. Manager - CMVR & Homologation Product Development 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.

Participants appreciated the competitive platform.

## NORTHERN REGION

### TRAINING PROGRAM ON TIME MANAGEMENT & GOAL SETTING



ACMA Northern Region organised a training program for its members of Uttarakhand zone on Time Management & Goal Setting on June 5, 2018, Rudrapur.

The objective of this training was to understand time optimisation that enables one to work smarter – during stressful hours.

Time management refers to the way that you organize and plan how long you spend on specific activities. It may seem counter-intuitive to dedicate precious time to learning about time management, instead of using it to get on with your work, but the benefits are enormous.

Dr P C Srivastava, Business coach & Corporate Trainer, was the faculty for the training program.



## ONE DAY AWARENESS PROGRAM ON LABOUR LAWS FOR HR & NON-HR PROFESSIONALS

ACMA Northern Region organised a training program on Labour Laws for HR & Non-HR Professionals on June 8, 2018. In any organization (plant or unit) Labour Laws helps in increasing awareness of Labour issues among plant personnel, making them more knowledgeable about proper practices that would make them more productive. It gauges the Labour efficiency of the employees.



There are two categories of labour laws; collective and individual. Collective labour law involves relationships between the union, the employer and the employee. Individual labour law involves concerns for employees' rights in the workplace.

The faculty for the training was Mr. Rakesh Seth who possess more than four decades of experience in many industries.

The topics covered by the faculty were:-

Introduction; Importance of labour laws and compliance culture; Laws relating to working conditions - PMT LL1; The Factories Act 1948 & The Apprentice Act 1961; Social Security measures; The Employee PF Act 1952; The Gratuity Act 1972; The ESI Act 1948-PMT LL1; The Workmen Compensation Act 1923; Maternity Benefits Acts 1961; The Contract Labour Act 1970; The Minimum Wages Act 1948; The Payment of Wages Act 1936 & Bonus Act 1965 - PMT LL1; POSH.

## IN – HOUSE TRAINING PROGRAM ON ADVANCED EXCEL

ACMA Northern Region organized a one day in – house training program on Advanced Excel on June 15, 2018 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.

## IN – HOUSE TRAINING PROGRAM ON ADVANCED EXCEL AT VARROC ENGINEERING PVT. LTD.

ACMA Northern Region organized a two day In – House training program on "Advanced Excel" dated, 20th June 2018 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.

### GURUGRAM ZONAL MEMBERS MEET WITH GOVERNMENT OFFICIALS

ACMA Northern Region organized a Zonal Members' Interaction with the Zonal level Government officials of Gurugram for its members based out of the zone on 23rd June 2018. 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, Mr. Anil Goyal Superintending Engineer DHBVN interacted with the ACMA members of Gurugram.



ACMA NR Gurugram/Manesar Zonal Coordinator Mr. Kiran Deshmukh - Global Chief Technical Officer (Sona BLW Precision Forging Ltd.) emphasized that the objective of the meeting was to build stronger relations of ACMA Zonal representations with the government bodies of the zone as also to showcase ACMA member's strengths and capabilities.

Addressing the participants Mr. Yashpal Yadav, Deputy Commissioner, Municipal Corporation Gurugram, urged ACMA to take initiatives in helping the government in stopping violations. The members of the association should report on toll free number during occurrence or incident of unruly acts and the nodal officer would provide the assistance. Mr. Yadav informed that industries in India were by and large belonging to social sector even though they were primarily affiliated to secondary sector, thus it was essential for the development of Gurugram in whole the skill center to be mandatorily digitalized.

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. The traffic in Jail Chowk, Saddar Bazar would be controlled by imposing one way plan with the help of MCG.

Mr. Dharamvir Singh, ACP Manesar assured that efforts would be made to improve the security of industrial units in the Manesar area. He informed that more police stations would be opening shortly in Manesar areas.

## ONE DAY TRAINING PROGRAM ON SUPERVISORY DEVELOPMENT PROGRAM

ACMA Northern Region organised an in-house training program in Auto Comp Pvt. Ltd., on supervisory development program at Ludhiana on Monday June 25, 2018.



Supervisory Development Program is a tool that helps develop practical skills to improve self and team effectiveness, effectively communicate, create a positive work environment, handle different personalities and inspire change.

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 objective of this program was to create awareness amongst participants about the role of supervisors in an organization, equip them for leadership skills, prepare them for managing and engaging team members in changing scenario, provide a platform in building supervisory skills for managing resources and acquaint them on manufacturing best practices

The faculty for the training was Mr. Ranjan Vasishtha.

## 15<sup>TH</sup> QUALITY CIRCLE COMPETITION

ACMA Northern Region organized the 15th QC Competition on July 3, 2018 in New Delhi. 75 teams from ACMA Northern Region membership participated at the competition with 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 with an intent to bring-in a high level of bonding and confidence amongst the team members and in turn with the management, too. Mr. Chopra further mentioned that the basic objectives of QC were to develop and utilise human resources



## EDUCATION/SKILLING/TRAINING/MENTORSHIP

effectively and he concluded his address by expressing his happiness for the overwhelming response from membership and welcomed each individual at the QC competition, whole heartedly.

The twelve members Jury team consisted of Quality heads from leading OEMs Mr. Parveen Chauhan, Senior Manager – Parts Quality and Logistics Management, BMW India, Mr. N P Chandok, Associate Vice President and Head - Central Quality Assurance, HERO MotoCorp Limited, Mr. Ashish Katiyar, DGM – Purchase, HMSI – Honda Motorcycle & Scotter India, Mr. Gurdeo Singh, AGM – Quality Control – Weld & Press, India Yamaha Motors Pvt. Ltd., Mr. Ajay Sharma, Assistant General Manager in Quality Assurance, Maruti Suzuki India Ltd., Mr. Yogesh Dinkar, Manager – Homologation & Quality Control, Suzuki Motorcycle India (Pvt) Ltd. among others. After a successful completion of presentations by all the 75 QC teams, Mr. Sunil Kakkar Executive Director – SC, Maruti Suzuki India Ltd. and Chief Guest addressed the gathering at the valedictory ceremony.

### The winners of the 15th Northern Regional QC Competition were:

1st Position	Subros Ltd. Manesar	Shine
2nd Position	National Engineering Industries Ltd.	Utsah
3rd Position	Polyplastics Industries (I) Ltd.	Abhiyan

Additionally, the Best presentations under Cost reduction, Customer Complaints and Productivity Improvement were:

#### A) Cost Reduction

1st Position	Minda Industries Ltd. (Acoustic Division)	Pahal
2nd Position	Rane Madras Ltd.	Shrithi
3rd Position	Shiroki Technico India Pvt. Ltd.	ABCD

#### B) Consumer Complaints

1st Position	Sanden Vikas India Pvt. Ltd.	Precision
2nd Position	Gabriel India Ltd.	Ridhm
3rd Position	Krishna Maruti Ltd. Seating Division	Dabangg
4th Position	Minda Industries Ltd.	Jayanti

#### C) Productivity Improvement

1st Position	Sandhar Technologies Ltd.	Sahas
2nd Position	Minda Corporation Ltd.	Agni
3rd Position	WABCO India Ltd.	Virat
4th Position	Minda Industries Ltd.	Rock Star

## EASTERN REGION

### ONE DAY SESSION ON PROBLEM SOLVING

A one day session on Problem solving was organized on June 6, 2018, at the Centre for excellence, Jamshedpur. The objective of the training 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 task becomes easier when we examine the problem differently, utilize creativity, think uniquely as imagination always plays more important role than the knowledge.



The faculty for the program was Mr. Ashish Tripathy, Group leader-Product Engineering-Tata Cummins Private Limited, Jamshedpur.

Following topics were undertaken to cover the subject:

- Problem solving attitude: A key consideration
- Problem definition and significance of data
- Tools to analyze data
- Problem solving exercises

The program was well attended by 36 delegates.

## SOUTHERN REGION

### ACMA SOUTHERN REGION FIRST-EVER ZONAL KAIZEN CONTEST

The 1st Edition of the Zonal Kaizen Contest organized by ACMA (Southern Region) on June 2, 2018, Bangalore, saw about 25 teams 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.



Addressing the participants, Mr Chokkalingam – HMSI congratulated the turnout from the member companies to compete in the contest. and thanked ACMA for giving him an opportunity to evaluate, share and learn through the medium of contest.

Mr Vasu, Head TQM, TAFE appreciated the initiative by ACMA that provides a cross-learning platform. The valedictory & awards function, Mr Mahesh Babu – Plant Head – Aditya Auto Products & Engineering (I) Pvt ltd was invited as the Chief Guest. Mr Mahesh spoke about the power of Kaizen and the benefits it brings to the



organisation, He emphasised and encourage everybody to follow kaizen in both their professional and personal life.

The following teams were announced winners in the different categories:

**WINNERS - PRODUCTIVITY**

PRIZE	COMPANY NAME	TEAM MEMBERS
1st Position	SOGEFI-MNR ENGINE SYSTEMS INDIA PVT LTD	Mr. Prashantha M & Mr. Ananth
2nd Position	CONTINENTAL AUTOMOTIVE COMPONENTS (I) PVT LTD	Mr. Vignesh & Mr. Sampreeth
3rd Position	SANSERA ENGINEERING (P) LTD	Mr. Pavan Kumar & Mr. Venu Reddy KH

**WINNERS - QUALITY**

PRIZE	COMPANY NAME	TEAM MEMBERS
1st Position	SANSERA ENGINEERING (P) LTD	Mr. Ganesh & Mr. Praveen Kumer P
2nd Position	AUTOLIV INDIA PVT LTD	Mr. Sahaj & Mr. Tulashidhara
3rd Position	SANSERA ENGINEERING (P) LTD	Mr. Suresh Amalraj J

## EDUCATION/SKILLING/TRAINING/MENTORSHIP

### WINNERS - COST

PRIZE	COMPANY NAME	TEAM MEMBERS
1st Position	MANN AND HUMMEL FILTER PVT LTD	Mr. Bharath & Mr. Kodandaram
2nd Position	SJS ENTERPRISES PVT LTD	Mr. Gulappa L & Mr. Arunkumar
3rd Position	SJS ENTERPRISES PVT LTD	Mr. Manikandan P

### CERTIFICATION OF APPRECIATION - SAFETY

COMPANY NAME	TEAM MEMBERS
TOYOTA INDUSTRIES ENGINE INDIA PVT LTD	Mr. Abhishek
SJS ENTERPRISES PVT LTD	Mr. M. Aravindhian

### CERTIFICATION OF APPRECIATION - DELIVERY

COMPANY NAME	TEAM MEMBERS
SANSERA ENGINEERING (P) LTD.	Mr. Muniraj & Mr. Mahendra

The feedback from the 50 participants showed that they were enriched by the inputs given by the eminent juries.

## AWARENESS TRAINING ON BETTER PRACTICES OF MATERIAL MANAGEMENT & INVENTORY CONTROL

ACMA Southern Region organised an awareness training on Better Practices of Material Management & Inventory Control on June 15, 2018 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. This session covered elements and aim of MFCA, its significance and characteristics, MFCA vs Conventional cost accounting, implementation and key factors for success.

The faculty for the training, Mr. D. Sekar, from ACMA-UNIDO. Training was attended by 16 delegates from 8 companies who found the training session good and useful.



## NATIONAL SYMPOSIUM ON EMBRACING DISRUPTION

ACMA (Southern Region) organised National Symposium on Embracing Disruption themed "The Technology & Innovation Way" on July 5, 2018, Chennai.



A first-of-its-kind by ACMA-Southern Region The National Symposium focussed on the key factors and challenges around engineering technology and innovations when the markets were witnessing transformation every 5-10 years.

The Symposium also created a forum for industry and academia to understand better and equip themselves better 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 viz. 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 – Infor (India) Pvt Ltd and Wimera Solutions, to display their solutions for the auto component industry.



Welcoming the participants and the speakers, Mr Thimmaiah Napanda, VP India and Australia, MD & CEO, Meritor India and Chairman of the National Symposium welcomed the participants and encouraged the delegates to welcome the new era of automated driving, advanced manufacturing and analytics, including Industry 4.0, IOT etc. Business transformation which used to happen in 15-20 years is now happening in 3-5 years and hence companies need to be competitive he remarked. He highlighted that Industrial Engineering would see more technological changes in the



coming 5-10 years as compared to the last 2 to 3 decades. The Indian automotive space, he mentioned had the potential to grow exponentially and was one of the reasons for many global players having presence in the sector. He also added that the Indian automotive market is a difficult market and needed specific approach to meet the market expectations.

Ms Shuba Kumar, Co-Chairperson, ACMA (Southern Region) and Director, Natesan Synchrocones Pvt Ltd. emphasised the need for the industry to collaborate closely with institutions to cope with the disruptions.

### 13<sup>th</sup> QC COMPETITION

The 13th Quality Circle Competition of ACMA Southern Region saw 77 teams participating in Chennai on 14th July 2018. 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 from OEMs; Ashok Leyland Ltd, Hyundai Motor India Limited, India Yamaha Motor Pvt Ltd, Renault Nissan Automotive India Pvt Ltd, Toyota Kirloskar Motor Pvt. Ltd, TVS Motor Company Ltd, and Senior members from QCFL.

Mr P. Sriram – Chairman, Chennai Institute of Technology (CIT), during the valedictory session said that, it was heartening to see industry and academia collaboration, which is a need of the hour. He requested industries to visit and give their feedback so that Institutions could align accordingly to the needs of the industry. He also encouraged companies to use the facility of the Institutions and the talent of the students for mutual benefits.

Earlier, speaking on the occasion, Mr P Kaniappan Chairman (Southern Region) & MD of WABCO India Ltd expressed happiness on the participation of 77 teams which was encouraging and also helpful for the industry-academia engagement, since the idea of taking such events to institutions was to share the industry practices and thought process. He thanked and appreciated the efforts of the Institution and willingness to collaborate with the Industry. He complimented Mr Sriram and his team for agreeing to host this competition. He also highlighted how the Auto Industry is drastically changing and how use of Technology is going to drive the industry and therefore the need to upgrade. He thanked the Jury panel for their time, effort and valuable inputs. Mr P Kaniappan appreciated all the participants and specially complimented the efforts and for adopting the QC approach for continuous improvement.

The following teams were adjudicated winners at the competition, who qualified for the National QC scheduled on 13th August 2018 at Pune:

PRIZE	COMPANY NAME	TEAM NAME
1st Position	RANE BRAKE LINING LTD, TRICHY	GLADIATOR
2nd Position	SUNDARAM AUTO COMPONENTS LTD, HOSUR	VERONICA QCC
3rd Position	ROOTS INDUSTRIES INDIA LTD	SMART QC
3rd Position	SANSERA ENGINEERING (P) LTD	SPURTI

The Hall winners included -

#### Blue Hall

PRIZE	COMPANY NAME	TEAM NAME
1st Position	RANE BRAKE LINING LTD, TRICHY	GLADIATOR
2nd Position	LUCAS-TVS LTD, PONDYCHERRY	SIGARAM
3rd Position	HARITA SEATING SYSTEMS LTD	SCARLET QC

#### Green Hall

PRIZE	COMPANY NAME	TEAM NAME
1st Position	ROOTS INDUSTRIES INDIA LTD	SMART QC
2nd Position	WABCO INDIA LTD	LOTUS
3rd Position	LUCAS-TVS LTD, PONDYCHERRY	MUSTANG

#### Maroon Hall

PRIZE	COMPANY NAME	TEAM NAME
1st Position	SANSERA ENGINEERING (P) LTD	SPURTI
2nd Position	RANE (MADRAS) LTD, PONDYCHERRY	LOTUS
3rd Position	WHEELS INDIA LTD, SRIPERUMBUDUR	ACHIEVERS

#### Yellow Hall

PRIZE	COMPANY NAME	TEAM NAME
1st Position	SUNDARAM AUTO COMPONENTS LTD	VERONICA QCC
2nd Position	RANE TRW STEERING SYSTEMS LTD, VIRALIMALAI	NEW SUNRISE
3rd Position	WABCO INDIA LTD	CHALLENGERS



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.



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## WESTERN REGION

### SIX SIGMA GREEN BELT CERTIFICATION PROGRAMME – MODULE – I BHARAT GEARS LTD.

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



The following topics were covered in module-I:

- Introduction to improvement methodology in Six Sigma Initiative
- How to select and prioritize improvement projects
- Observation and data analysis
- Identification of suspected sources of variation for the problem
- Introduction to the data based techniques for improving cause(s)

### 6<sup>TH</sup> KAIZEN COMPETITION -GUJARAT ZONE

With the objective to showcase the potential of ACMA members in delivering breakthrough Kaizens practiced at their facility, ACMA Western Region organised 6th Kaizen Competition in Gujarat Zone on June 16, 2018 in Ahmedabad.

The competition saw 26 case study presentations from all leading auto component manufacturers in Gujarat namely Asahi India Glass Ltd., Badve Engineering Ltd., Delux Bearings Pvt. Ltd., Faurecia Automotive Seating India Pvt. Ltd., Flometallic India Pvt. Ltd., GoldSeal SAARGUMMI India Pvt. Ltd., Jay Ushin Ltd., Magna Automotive India Pvt. Ltd., Mahle Behr India Pvt. Ltd., Mindarika Pvt. Ltd., New Swan Enterprises, Polyplastics Industries India Pvt. Ltd., Precision Autowares Pvt. Ltd., Schaeffler India Ltd., Setco Automotive Ltd., Supreme Treon Pvt. Ltd., TATA AutoComp Systems Limited, and Yazaki India Pvt.Ltd.

The presentations made by the participants focused on Quality, Cost, Delivery, Safety & Energy.

The eminent panel of jury included Mr. Nimba Patil, Manager-Stamping & Blanking, Sanand Vehicle Assembly Plant, Ford India Pvt. Ltd. and Mr. Nitin Singla, DGM- Material Audit from Tata Motors Sanand Plant.

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. Shri Parmar mentioned that State Government is supporting projects related to innovation, green field and technology upgradation. There are various incentive schemes specially for MSMEs, he added. Shri Parmar appreciated ACMA for organizing the activities in the State as it provides platform to share and learn.

The following teams were announced winners.

#### Top Three Winners -

PRIZE	COMPANY NAME	TEAM NAME
1st Position	MINDARIKA PVT. LTD., MANDAL	TEJAS
2nd Position	DELUX BEARINGS PVT. LTD., SURENDRANAGAR	EXCELLENCE
3rd Position	FLOMETALLIC INDIA PVT. LTD., JHAGADIA	THE CREATORS

#### Runner Up -

PRIZE	COMPANY NAME	TEAM NAME
1st Position	GOLD SEAL SAARGUMMI INDIA PVT. LTD., DAMAN	DREAM
2nd Position	SUPREME TREON PVT. LTD., SANAND PLANT 1	SPARTAN
3rd Position	POLYPLASTICS INDUSTRIES INDIA PVT. LTD., SANAND	POLY DIAMOND



## WORKSHOP ON REDUCE COST NOT MARGIN

ACMA Western Region organized two day workshop on Reduce Cost Not Margin on June 18-19, 2018

The workshop was organised to create awareness and have better understanding on following:



- The Use of Lean tools for achieving cost reduction.
- The concept of Muda, Mura and Muri.
- The 8 wastes (Muda) that are common in all organization and how to eliminate or reduce the same.
- How to measure Overall Equipment Effectiveness (OEE) and using the same to reduce cost through improved productivity.
- The concept of COPQ and how to improve it.

The workshop was conducted by Mr. Vishal Kulkarni, one of the founding members and director of Faber Infinite Creative Solutions Pvt. Ltd.

## 21<sup>st</sup> ACMA WR HR FORUM MEETING

The 21st ACMA WR HR Forum meeting was held on June 22, 2018. The Minda Vast Access Systems Pvt Ltd. hosted the meeting at their plant in Chakan, Pune .

The meeting was focused on IR (Industrial Relation) and well known advocate Mr. Aditya Joshi was invited as guest speaker.

Touching upon recent incidents, Advocate Joshi said that the industry must analyze the emerging future trends and the advancement of technology. Sighting the example of Government's push for EVs by 2030, Advocate Joshi said the industry need to get

ready for this change and plan to handle its impact on IR.

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.

## DIGICONNECT" SEMINAR ON SMART MANUFACTURING

Industry 4.0, the current trend of automation and data exchange in manufacturing technologies, is on the minds of almost every manufacturing company across the world.



As per PwC's Global Digital Operations Study 2018, Industry 4.0 encompasses end-to-end digitization and data integration of the value chain: offering digital products and services, operating connected physical and virtual assets, transforming and integrating all operations and internal activities, building partnerships, and optimizing customer-facing activities".

With this backdrop 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 three 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 covering:

- What is digitization/ Industry 4.0/ IoT
- What are the drivers for its adoption
- What are the benefits and challenges
- Industry 4.0 study: Indian Automotive industry

## 2<sup>nd</sup> MEETING OF ACMA WR GUJARAT ZONE HR FORUM



The 2nd Meeting of ACMA WR Gujarat Zone HR Forum was held on July 12, 2018, 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.

## INTERACTION WITH MSIL SUPPORTED ITIZ IN GUJARAT

Availability of skill / employable manpower is the one of the key challenge that industry is facing today. Gujarat is emerging as a new auto hub, many auto component manufacturers are setting up plant to cater the OEMs. These companies are looking for skill manpower.

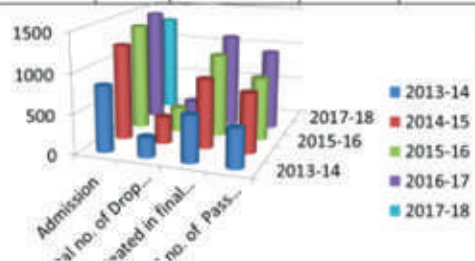


With this backdrop ACMA Western Region organized an interactive session with Maruti Suzuki India Ltd. (MSIL) -ITI Project Team on July 12, 2018 at Government ITI Viramgam, Gujarat.

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.

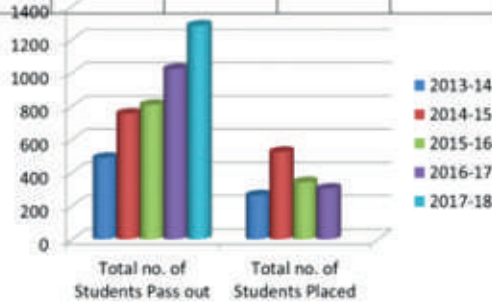
ITI STATUS AFTER ADOPTION

Sr. No.	2013-14	2014-15	2015-16	2016-17	2017-18
Total no. of Students enrolled	830	1215	1367	1451	1284
Total no. of Drop out	247	339	310	256	Appr. 200
Seated in final exam	583	876	1057	1195	Exam in September
Total no. of Pass out	489	755	807	1023	



## Placement Status

Sr. No.	2013-14	2014-15	2015-16	2016-17	2017-18
Total no. of Students Pass out	489	755	807	1023	1284 in 1 <sup>st</sup> Semester
Total no. of Students Placed	264	525	321 & SMG 22	286 and SMG 18	To be placed



Mr. Sanjay Padhiyar said that the students in these ITI 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.

In his address, Mr. Vinod Razdan , Chairman – ACMA WR HR Forum & Head – HR , Mahle Behr India Pvt. Ltd. and Mr. Anadi Sinha, President Group HR & Business Head-Gujarat, Minda Industries Ltd. appreciated the efforts made by Maruti Suzuki and urged participants to take advantage in order to fulfill the manpower requirements.

### 13<sup>th</sup> ANNUAL REGIONAL QUALITY CIRCLE COMPETITION

The 13th edition of Annual Regional Quality Circle Competition was organized on July 17, 2018 in Pune. The Annual Regional Quality Circle Competition is the largest annual human congregations in the Western Region. Quality circles built 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 which ultimately gives opportunity to operators to showcase their experience and capability.

In his welcome address, Mr. Piyush Tamboli, Chairman, Western Region -ACMA and CMD Investment & Precision Castings Ltd. said that the participants should not consider this event as a competition, its a platform which generates cross learning through case study presentations. We must focus on new technology and solutions to remain competitive in the world.

Overall 510 delegates attended the event

The eminent panel of Jury included Mr. Navin Joshi , Plant Head – Engine Plant , Fiat India Automobiles Pvt. Ltd., Pune, Mr. Nitin

Afajalpurkar, DGM, Six Sigma Services, John Deere India., Pune, Mr. Sugandhi Mahendra, Sr. Executive Manager Projects Management, John Deere India., Pune, Mr. Ravindra Borawake, Senior Manager (Plant Engg. Dept.), Mahindra & Mahindra Ltd. Pune, Mr. Jayant Harangaonkar, Assistant Director Purchasing, PACCAR India, and Mr. Kiran Divate, Sr. Manger – Quality Operations Assembly, Quality Assurance, Volkswagen India.

The following teams were announced as winners:

#### 1) Top three selected for National Competition

1st Position	GABRIEL INDIA LIMITED, PUNE	Gabriel Winners
2nd Position	ENDURANCE TECHNOLOGIES LTD, AURANGABAD	Arjun
3rd Position	MINDARIKA PVT. LTD, PUNE	Umang

#### 2) First Set - Runner Up

1st Position	WATSON & CHALIN INDIA PVT. LTD., PUNE	Significant Feature
2nd Position	YASHSHREE PRESS COMPS. PVT. LTD. 3Wh. DIVISION, AURANGABAD	Sai
3rd Position	MINDARIKA PVT. LTD, PUNE	Umang

#### 3) Second Set - Runner Up

1st Position	PRICOL LTD., PUNE	Unique
2nd Position	MUBECA AUTOMOTIVE COMPONENTS INDIA PVT. LTD., PUNE	Dream Maker
3rd Position	YAZAKI INDIA LTD., SHIRUR	Titans

#### 4) First Time Participation

1st Position	COOPER CORPORATION PVT. LTD., SATARA	M-60 Quality Circle
2nd Position	BAPL ROTOTECH PRIVATE LIMITED, PITHAMPUR	BR Rise
3rd Position	MOTHERSON SUMI SYSTEMS LTD., PUNE	Sankalp

#### 5) Productivity

1st Position	MINDA CORP. LTD.	Yash
2nd Position	SANJEEV AUTO PARTS MANUFACTURERS PVT. LTD.	Utkarsh
3rd Position	POSITION BADVE ENGINEERING LTD., MOULDING DIVISION	Machine Masters

## EDUCATION/SKILLING/TRAINING/MENTORSHIP

### 6) Safety

1st Position	WINDALS PRECISION PVT. LTD., PUNE	Achiever
2nd Position	NRB BEARINGS LTD., AURANGABAD	Spartans
3rd Position	KORES (INDIA) LTD., CHAKAN	Vikrant

### 6) Cost

1st Position	REMSONS INDUSTRIAL LTD., DAMAN	Diamond
2nd Position	CONTINENTAL AUTOMOTIVE COMPONENTS INDIA PVT. LTD., PUNE	Spartans
3rd Position	BADVE ENGINEERING LTD., RANJANGAON	Achievers

### 6) Facility Improvement

1st Position	MAHLE Behr INDIA PVT. LTD., PUNE	EP Diamond
2nd Position	POLYPLASTICS INDUSTRIES INDIA PVT. LTD.	Poly Green Stars
3rd Position	VARROC ENGINEERING LTD., PLANT VI, PUNE	Lakshay



## VISIT TO FORD INDIA

In order to understand best manufacturing practices and advance technology which helps a company to sustain in the competitive world, ACMA (Western Region) organized visit to Ford India, Sanand Plant on July 25, 2018.



Mr. Patel, Plant Head, stated that, Sanand plant is having best energy efficient and waste mechanism with high level of automation in the body construction and final assembly areas and 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.

Members appreciated the visit arranged by ACMA Western Region.

## VISIT TO TATA MOTORS

ACMA Western Region organized a visit to Tata Motors Ltd, Sanand Plant on 25th July 2018. 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.



Mr. Agarwal further stated that, in line with latest world-class manufacturing practices, the Sanand plant has been equipped with state-of-the-art equipment. They include sophisticated robotics and high speed production lines. The plant has energy-efficient motors, variable frequency drives, and systems to measure and monitor carbon levels. These are supplemented with extensive tree plantation, sustainable water sourcing through water harvesting and

ground water recharging and using solar energy for illumination; all of this helps the plant to be more sustainable he added.

The plant is currently operating at 100 per cent of its capacity of 2.5 lakh cars. The facility continues manufacturers petrol and diesel engines for different variants of Tiago and Tigor. It also manufactures petrol engines of the latest SUV from the Tata stable, Nexon.

## SESSION ON EXPANDING INTERNATIONAL BUSINESS OPPORTUNITIES – SHARING OF BEST PRACTICES

Continuing efforts to reach out to the membership in each zone in the region, a session on Expanding International Business Opportunities – Sharing of Best Practices” was organised in Dewas, Pune and Rajkot on 26th July 2018 on 27th July 2018 respectively.



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.

Ms. Trupti Shrimali, MBTI certified practitioner, behavioral facilitator and consultant & Mr. Atul Badkas, MBTI practitioner were faculty for workshop.

Case studies were carried out to explained 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.

## WORKSHOP ON ENHANCE SUPPLY CHAIN VIA BEER DISTRIBUTION GAME

In order to understand the hurdles, conflicts, causes and best-practices of supply chain, ACMA Western Region organized two day workshop on Enhance Supply Chain via Beer Distribution Game.



The workshop was aimed for Managers from every node of supply chain, Purchase & Procurement Managers.

Mr. Vishal Singh having Master degree in Production and Materials Management was the faculty.

Explaining supply and demand, profitably for products and services, Mr. Vishal Singh mentioned that right product, the right price, the right quantity and delivery at right time is the mantra for higher profits.

Key aspects of the supply chain are inventory management, supplier selection, supplier grade, supplier development, supplier rating, distribution network and bullwhip effect are the key to supply chain management. Mr. Singh also defined all the aspects in detail.

The workshop was combined with class room and Simulation Exercise with its analysis. Mr. Singh also shared case study.

The participants appreciated the program and the feedback was encouraging.

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.

Mr. Rangar also shared ACMA Initiatives on Business Development. He mentioned that ACMA has MOU with 37 overseas counterparts. Also, ACMA IPOs forum has 35 IPOs of Global OEMs and tier -1 who source from India.

## WORKSHOP FOR PROFESSIONAL WOMEN

Many women are looking at becoming independent; they join the workforce with ambitions and goals in life. However, somewhere amidst all the stereotypes, biases, self-doubt, attempt to create balance between work and personal life some women give up too early, some don't attempt to live up to their full potential and some stay low throughout their careers. Very few women carve their way in the corporate ladder.



With this backdrop ACMA Western Region organized two-day workshop on July 30-31,2018 for professional women themed Dream Big – Lead with Strength, Dignity and Pride.

# SEWAGE TREATMENT PLANTS

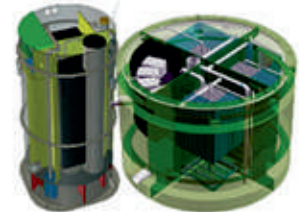
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## NORTHERN REGION

### MEETING WITH GOVERNMENT OFFICIALS OF FARIDABAD

ACMA Northern Region organized a zonal members' interaction with the Government officials of Faridabad/Palwal on June 27, 2018. 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 & Mr. Surinder Khattar, Assistant Engineer, MCF interacted with the members of Faridabad.



Mr. Abhimanyu Sharaff, ACMA NR Faridabad/Palwal Zonal Coordinator & Director, Ecocat (India) Pvt. Ltd. addressed the gathering and mentioned the objectives of the meeting, which was to build a stronger relations of ACMA zonal representations with the government bodies of the zone as also to showcase ACMA member's strengths and capabilities. Mr. Sharaff acknowledged the support of Faridabad government officials that, ACMA members had been receiving from the government, administration, police, and traffic and thanked them for their valuable support.

## SOUTHERN REGION

### NATIONAL STAKEHOLDERS CONSULTATION – RECALIBRATING E- MOBILITY

E-Mobility a topic that has got the industry, Government and Consumers equally excited, is seeing evolution. However, there have been mixed views and reactions on the same. To demystify and get perceptions and views from the various stake holders in the value chain, ACMA Southern Region organised a National Stakeholders Consultation Conference on Re-Calibrating E-mobility on April 2, 2018, Bangalore.





Welcoming the participants, Mr. Navin Paul – Conference Chairman & Executive Vice-President, Bosch Ltd, 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. The outcome of the survey is brought into this programme with all the relevant speakers, topics and panellists to address all the issues and arrive at a way-forward and also how ACMA can play an important role defining the road-map in this electrification journey.

Mr P Kaniappan, Chairman of ACMA – Southern Region & Managing Director, WABCO India Ltd. 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.

He gave a global aspect as to how other countries like US, China, Norway and Netherlands have been working in this area for a decade now and have developed a strategy to move towards electrification. However India being late entrant to this concept developed a policy

in 2013 the National Electric Mission and has tried to incentivise through FAME schemes. However NITI AAYOG's new Electric Vehicle Policy 2017 has come very aggressively to move 70% of public transport on EV's and 30% of Private Transport on EV's by 2030, which came as a big challenge for the industry. SIAM's whitepaper however, recommended transformation to EV's in a phased manner by 2047, he added.

Chairman thanked the Govt. Officials from AP and Telangana for their presence and for sharing their perspectives on future of mobility and EV's in particular during the day. Though electrification is a Challenge it is a great opportunity too, Mr. Kaniappan opined.

Mr Jeffrey Jacob- Partner – Roland Berger made a presentation on the study conducted by ACMA on Opportunities for component manufacturers on xEVs. He started with showing the global picture that there is a strong growth expected across all regions in xEV sales by 2025 and China by large will remain the largest market globally. The presentation gave various scenarios of adoption of EVs and its acceptance by the customer including incentivization by Government, infrastructural challenges, skilling and employment amongst others.

At the occasion Mr. Sekhar Viswanathan, Vice Chairman and Whole-time Director- Toyota Kirloskar Motor Parts, mentioned that the topic had gained lot of passion, opinions, sentiments and speculation on what future holds for mobility. Mentioning that providing sustainable technology at competitive costs was the motto of the company towards its customers, keeping in mind its stakeholders. Citing example, he spoke about how TESLA was pushing only EV's and not Hybrid or ICE technologies, which was a strategic decision of a company and not the Policy makers.

Four key factors which will play a key role, he opined.

1. **Regulations** – likely to be confusing in view of priorities of various departments who have come to consensus and the industry would have to work its business around such a scenario.
2. **Not enough attention to voice of end user/Customer acceptance** – what does the customer wants and how it is going to change is not thought through enough. No clarity on Charging infrastructure, resale value and being an unknown market forecasting is tough, he added.
3. **Battery-** what is the life of the battery, unknown, price of battery will come down and will become cost neutral over the next 4-5 years
4. **Charging Infrastructure** – all countries are looking at this space, China is dominating as the Govt has pumped in lot of money, however it is not seen in India as they are talking about PPP model. Where is the business for private players to be attractive enough to plough money? Govt. of India, however is trying to catalyse through Govt. buying and with time the market will evolve.

The Conference saw over 129 participants from the automotive, component, Government and the academia, who termed the event informative with lot of take away points as learnings.





**AUTONEWS**

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