



ACMA's Future Ready Initiative

ACMA Centre of Excellence (ACoE)



Journey of 15 Months (Sep 2018 – Dec 2019)

ACMA


SAKSHAM
ACMA CENTRE OF EXCELLENCE

AGENDA

- ACoE Vision
- ACoE Facilities
- Present & Proposed Labs
- Program offerings & Status
- ACoE Programs held at a glance
- Upcoming Programs
- Training Calendar 2020-21 (Proposed)- Core Skills
- ACoE Steering Committee (Proposed)

VISION

***“Create a World Class Learning,
Skilling and Training
Infrastructure for the Indian
Automotive Component
Manufacturing Industry”***



WORLD CLASS SET UP

***ACMA President dedicated
labs to industry***



ACoE Steering Committee (Proposed)

ACoE is ready to receive inputs from industry leaders

| PREFIX | FIRST NAME | LAST NAME | ACMA CATEGORY 2019-20 | COMPANY DESIGNATION | COMPANY |
|--------|------------|-----------|--|------------------------------|--------------------------------------|
| Mr | Deepak | Jain | President, ACMA | Chairman & Managing Director | Lumax Industries Ltd. |
| Mr | Sunjay | Kapur | Vice President, ACMA | Chairman | Sona Comstar |
| Mr | Ashok K. | Taneja | Advisor, ACoE & Past President, ACMA | Managing Director & CEO | Shriram Pistons & Rings Ltd. |
| Mr | Srivats | Ram | Advisor, Pillar 3 & Past President, ACMA | Managing Director | Wheels India Ltd. |
| Mr | F.R. | Singhvi | Chairperson - Pillar 3 | Joint Managing Director | Sansera Engineering Ltd. |
| Mr | Deepak | Chopra | Chairperson - NR | Group CEO, Anand Group | Chairman of Board, Spicer India Ltd. |
| Mr | Sanjay | Sabherwal | Chairperson - ER | Managing Director | Metaldyne Industries Ltd. |
| Mr | Piyush I. | Tamboli | Chairperson - WR | Chairman & Managing Director | Investment & Precision Castings Ltd. |
| Ms | Shuba | Kumar | Chairperson - SR | Managing Director | Natesan Synchrocones Pvt Ltd |

1st SC meeting proposed on 25th Feb 2020 at ACoE, Sonipat

ACMA Centre of Excellence (ACoE)

State of the art facilities at campus



Learning atmosphere



500 seater Auditorium
Tariff- 30,000/day + GST



100 seater Lecture Room
Tariff- 5,000/day + GST



30 seater Conference Room
Tariff- 5,000/day + GST



Suite room
Tariff- 3,500/day + GST



Double occupancy Deluxe room
Tariff- 2,500/day + GST



IIT-D Canteen



Also, Available
for Customized
Training

Lab A: Advanced Mechatronics



Lab (7 Stations) is equipped with training equipment for fluidics lab (pneumatics), advance pneumatic training kit, basics and advance electro pneumatic training kit, servo motor drive training system with linear drive and sensor for object detection

PRESENT LABs

Also, Available for
Customized Training
and Expert Guidance
for Scanning,
Product Design &
Development

Lab B: Design Lab



16 High End Design Workstation equipped with Design tools & Simulation tools



3D Scanner for scanning & converting to 2D with facility of Checking & Inspection

Program offerings & Status

National Training Programs:

- Short courses: 1 to 3 Days
- Long courses: 18 Days (3 days per Month – 6-month duration)

International Training Programs:

- Pan India: 3 - 5 Days
- Overseas: 5 - 15 Days

Trainings are conducted by keeping in mind –

- More practical learning
- Lesser theory
- Upgradation

30-40 % theory (Classroom) & 60 % Practical (Hands on experience)

17 successful programs conducted with 90 % + Feedback from participants



ACoE PROGRAMS AT GLANCE 2018-19

Regular programs conducted



Low Cost Automation
4 to 6 Sep,2018, Sonipat
Companies-19
Participants- 35



Leading High-Performance Organization
20 to 22 Nov 2018, Sonipat
Companies-10
Participants-26



Productivity Improvement AOTS
28 to 29 Nov 2018, Sonipat
Companies-9
Participants-28



Advance Mechatronics
6 to 9 Feb 2019 Sonipat
Companies-6
Participants-13



AI & MI
22 to 25 Jan 2019, Sonipat
Companies-5
Participants-18



AI & MI
30 Jan to 2 Feb 2019,Pune
Companies-8
Participants-16

ACoE PROGRAMS AT GLANCE 2019-20



Leading High Performance Organization
28-30 April 2019, Sonipat
Companies-13
Participants-23



Diagnosing & improving company through Japanese Way-CHU SAN REN
20 to 24 May 2019, Sonipat
Companies-21
Participants-33



Diagnosing & improving company through Japanese Way-CHU SAN REN
27 to 31 May 2019, Pune
Companies-19
Participants-49



Mechatronics (Factory Auto.)
27 to 29 June 2019, Sonipat
Companies-15
Participants-23



Workplace Safety
3 to 4 July 2019, Sonipat
Companies-7
Participants-11



Zero Defect-1
21-22 Aug 2019, Sonipat
Companies-11
Participants-53



Zero Defect-2
26-27 Sep 2019, Sonipat
Companies-12
Participants-31



Leadership Development Program
30 Sep to 4 Oct 2019, Japan
Companies-5
Participants-9



Electric Vehicle EMOBILITY
18 Nov 2019, Sonipat
Companies-7
Participants-24



Zero Defect-3
19 Nov 2019, Sonipat
Companies-2
Participants-9



Mechatronics (Factory Auto.)- 2
21 & 22 Nov 2019, Sonipat
Companies-6
Participants-13



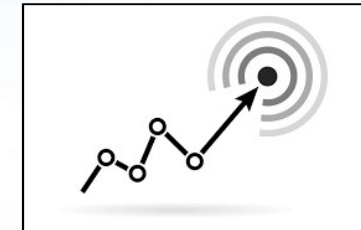
UPCOMING PROGRAMS

| Sr. No. | Date of Event | Name of the Program |
|---------|---|--|
| 1 | 21 st Jan 2020 | ACMA- IBM Round Table Cognitive (Smart) Enterprises – Reinventing enterprise with Artificial intelligent and Innovative digital solutions |
| 2 | 22 nd Jan 2020 (ZED Program No. 4) | Achieving Zero Customer Complaints by Addressing CTC & CTQS With Process Improvements |
| 3 | 28 th ~ 30 th Jan 2020 | Product Development & Design Concept with hands on experience with design workstations |

Shared resource

Now we are focusing on

How ACMA COE will become “Strategic R&D Centre” as a shared resource



We have aligned program offerings as per industry needs ...

Must be core skills

Technical and soft skill enhancement

A. Zero Defect Quality with traceability & Advance Metrology

B. Design, Development & Testing / Simulation Capabilities

C. Automation & Robotics

D. Digitization of Manufacturing

E. Tools for Cost and Productivity Competitiveness

+
**Soft Skills
Programs**
+
**Academia &
General
Courses**

Technical and soft skill enhancement

A. Zero Defect Quality with traceability & Advance Metrology

| | |
|-----|---|
| A-1 | Zero Defect Certification Programs (Short term 3 Days and Long term of 12 Days Module for 6 months) |
| A-2 | Advance Metrology, GD & T (Geometric dimensioning and tolerancing) |
| A-3 | Addressing new product quality |
| A-4 | Traceability to avoid Recalls |

Technical and soft skill enhancement

B. Design, Development & Testing / Simulation Capabilities

| | |
|-----|--|
| B-1 | Design Education & Certification (ACMA- SAEINDIA program) (Long term of 18 Days Module for 6 months) |
| B-2 | How to transform a component manufacturing company into a design company |
| B-3 | Reverse Engineering - Design concepts hands on experience |
| B-4 | xEV simulation (RICARDO / ANSYS / CharIN) |
| B-5 | New Product development Process – Time to Market |

Technical and soft skill enhancement

C. Automation & Robotics

| | |
|-----|--|
| C-1 | Low cost automation (Concept to implementation- Certification Course) (Long term of 12 Days Module for 6 months) |
| C-2 | Advanced Mechatronics (Factory Automation) |
| C-3 | Robotics – Concept & applications (ACMA – MACE) |

Technical and soft skill enhancement

D. Digitization of Manufacturing

| | |
|-----|---|
| D-1 | Creation of Smart Machines / Processes network – M/C Monitoring |
| D-2 | IIoT (Industrial IoT) – Shop floor Visibility & Connected supply chain |
| D-3 | Artificial Intelligence (AI) |
| D-4 | Technology Assessment w. r. t. Industry 4.0 (ACMA – CDAC) |
| D-5 | Smart Manufacturing through Data Analytics (ACMA – Cardiff University Program 5 days at UK) |

Technical and soft skill enhancement

E. Tools for Cost and Productivity Competitiveness

| | |
|-----|---|
| E-1 | eVSM – Multi-fold productivity improvements (Certification Course- 6 Days Module for 3 months)) |
| E-2 | Breakthrough Innovations (Cost Reduction) (12 Days Module for 6 months) |
| E-3 | MFCA (Material Flow Cost Accounting- for Losses reduction / elimination) |
| E-4 | Productivity Improvement (6 Days Module for 3 months) |
| E-5 | Basic 5 S to Advance 5S (Hospital Clean Factories) |
| E-6 | Zero Breakdowns - Lean Machines / Processes (8 Days for 4 months) |
| E-7 | A to Z of Manufacturing excellence, Creation of Champions (TTT) (8 Days for 4 months) |
| E-8 | Productivity Improvement (ACMA – AOTS Program 15 days at Japan) |
| E-9 | Automotive Business Profitability (ACMA – Cardiff University Program 5 days at UK) |

Technical and soft skill enhancement

F- Soft Skill Development

| | |
|-----|---|
| F-1 | Conflict Management - Middle Level Mgt |
| F-2 | Change Mindset for quality or Set Mind for Quality - Sr Level Mgt |
| F-3 | Covert X (Individual goals) to Y (Organizational Goals) - Top level Mgt |
| F-4 | Zero defect at Offices through A-QSM (Activity wise Quality Stream Mapping) |
| F-5 | High Performance Teams (HPT) |
| F-6 | Leading High Performance Company |

Technical and soft skill enhancement

G- General Awareness Programs

| | |
|-----|--|
| G-1 | Impact of EV & Changes in Current Manufacturing (Autobot / CharIN / GIZ) |
| G-2 | Plastic technology programs (ACMA – CIPET) |
| G-3 | EV Entrepreneurship course- Business models in EVs for MSMEs and new entrepreneurs with case studies on successful EV start ups (ACMA - KPMG & DFID) |
| G-4 | Round Table Session (Quarterly) (CharIN, Ricardo, Dassault, Ansys) |
| G-5 | Webinar (Monthly) |
| G-6 | Technical sessions by Industry Doyens (SME or OEM representative) (Quarterly) |

Technical and soft skill enhancement

H- Academia Courses

| | |
|-----|---|
| H-1 | For students & faculty- Benchmark visit to Industry |
| H-2 | Skill Development thru SINADE Project (ACMA – BFZ) |
| H-3 | Pre-placement industry orientation program (4 week) (To be decided) |

TRAINING CALENDAR 2020-21 (Proposed)

ACoE Training Calendar 2020-21 :

For planning your company training, include suitable topics from ACoE Training Calendar-

Training Topics - Pl choose programs from proposed calendar you like to avail or suggest programs (if not listed and we will try to include).

Training Faculty- You any suggest best in class faculties from your network

Customized Training Programs- Provide Minimum 15 participants from your group and we will drive a separate program for you.



ACoE Training
Calendar

**LET US JOIN HANDS TO CREATE ,
ACMA COE
A STATE OF THE ART R & D CENTRE
FOR MEMBERSHIP BENEFITS**



ACMA

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