



# AAEA – Ahmednagar Auto & Engineering Association (Ahmednagar Auto Cluster)

**Welcomes all delegates for World Trade Day in Ahmednagar -17 June 2018**



**PLOT AREA : 2 Acres**

**BUILDING : 40,000 Sq.FT**

**PROJECT COST : Rs. 15.27 Crores**

**A limited company under section 8 ( non profit sharing) CIN no-  
U91920PN2010NPL135837**



# AHMEDNAGAR AUTO & ENGINEERING ASSOCIATION

- Location : MIDC , Ahmednagar , 300 km from Mumbai , the economic capital of India , 110 km from Pune & Aurangabad and 160 km from Nasik – industrially developed cities of Maharashtra .
- SPV formed under Cluster Development Program of Govt Of India Scheme for Ministry of MSME
- Administrative approval received on 12th Sept. 2013
- It is a Section 25 Company (Non Profit Sharing Organization) under Companies Act 1956 CIN::U91920PN2010NPL135837



# AAEA – Ahmednagar Auto & Engineering Association

**AAEA - ACT AS ONE STOP SOLUTION FOR**





# Benefits to members & industries

- The rates for using the facility will be less than the market rate and the services will be available for anybody wishing to make use of it.
- Members will be given a discount based on share holding capacity of 5% to 20% on the rates.
- The facilities will be made available to the students of Engineering Colleges to understand the functioning of these latest machines.



# **COST OF PROJECT**

## **As Sanctioned by GOVT Of India**

Sr No	Particulars	Total Cost
1	Land and its Developments	46.00
2	Building and Civil Constructions	448.33
3	Plant & Machinery	952.88
4	Preliminary & Pre-operative Expenses 2% of Project cost	17.58
5	Contingency (2% on Building & 5%on project cost)	58.07
	Total Project Cost	1522.86



## Project Overview

AAEA is registered under Public Limited Company under Section 25 of Companies Act.

Shareholders	168
Land	2 acre plot in MIDC
Building	40000 sq. ft.
Cluster sanctioned date	12 <sup>th</sup> Sept. 2013
Extension received up to	12 <sup>th</sup> Sept. 2016
No. of units in MIDC, Ahmednagar	616
Type of Industry	Forging, Casting, Machining, Fabrication, Sheet Metal



## AHMEDNAGAR AUTO & ENGINEERING ASSOCIATION

Category	In Ahmednagar area	SPV Members
MSME Units	414	121
Women	102	28
SC	75	7
ST	25	3
OBC	81	25
Gen	125	58



**Visit to AAEA by  
Hon' Union Minister  
Mr Kalaraj Mishra in  
Feb 2016**







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# AAEA – Ahmednagar Auto & Engineering Association

## FACILITIES AT CFC

**Comprehensive Testing & Quality Control Lab :** Facilities in the area of physical and chemical testing of raw materials as well as finished products gives exposure to metrological and metallurgical testing needs in quality control department of industry.

**Modern Machine shop -** Latest CNC/VMC/5 Axis machines

**Reverse Engineering facility :** Software and Hardware facilities at CFC for reverse engineering, project work and product development in design/development of department industry.

**Computer Training Lab :** Train students for using these softwares which are widely used in industry such as CATIA/Delcam/NX CAD

**AAEA-CG skill Development Center:** 4 A/C class rooms ,Practical rooms, upgraded training aids



# Ahmednagar Auto & Engineering Association

## List of Machines in Cluster

<b>Machine Shop</b>	
VMC	CNC Cylindrical Grinder 1000mm
5 Axis VMC	Band Saw Double Column 500 die
Wire cut	Milling Machine Size 3 Universal
Jig Boring Machine	Radial Drill Machine 65mm
CNC Turnmill Centre	Surface grinder up to 2000mm
<b>Welding</b>	
Air plasma cutting machine	TIG welding machine
MIG welding (CO2 welding up to 400amp)	Spark Drill



# AAEA – Ahmednagar Auto & Engineering Association- Machine shop setup





# Machine Shop Services product Range



# Facilities at CFC

## Metrology Lab:

1. CMM
2. CONTOUR TRACER
3. VIDEO PROFILE PROJECTOR
4. HEIGHT MASTER
5. SURFACE FINISH (ROUGHNESS TESTER)

This has provided help to engineering units for getting jobs inspected and speed up their response time to address the needs of the customer.



# AAEA – Ahmednagar Auto & Engineering Association - Metro Lab





# Facilities at CFC

## Metallurgy LAB:

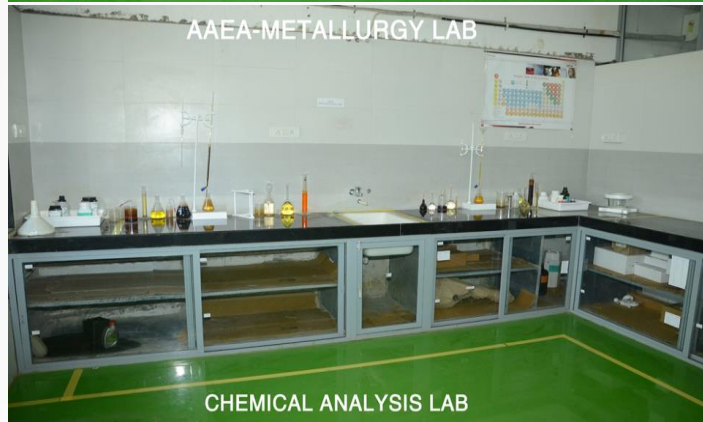
1. Chemical analysis by Spectro
2. Tensile testing
3. Impact testing
4. Hardness testing
5. Ultrasonic testing
6. PMI testing
7. Salt spray testing
8. Welder Qualification test.
9. Macro testing
10. Radiography

This facility has reduced the present waiting time from 3-4 days to one day for local MSMEs.





# AAEA – Ahmednagar Auto & Engineering Association - Metallurgy Lab





## **Customer base for various services offered by AAEA**

- **Machine Shop Services - 90+ Customers**
- **Metro Lab inspection services - 100+ Customers**
- **Metallurgy Lab Testing services - 110 + customers**



# AAEA – Crompton Greaves Skill Development Centre





# Ahmednagar Auto & Engineering Association



**Opening of AAEA – Crompton Greaves Skill Development Centre**



# AAEA-CG - Skill Development Centre.

## **Training :**

Members – 10 Colleges

Courses offered – Software courses, CNC/VMC courses, Welding Courses, Motor winding courses

## **Skill Development: Historical Achievements**

- Implemented MSME's Lean Manufacturing Competitive Programme (LMCP) – 24 units in Ahmednagar MIDC.
- Program arranged by SEBI for various schemes for MSMEs.
- ILO's "SCORE" Lean Manufacturing Programme implemented in 19 units.
- Imparted CNC/VMC operations training to 425 candidates.
- Provided Industry orientation training to Engg. College students – 880 students from 12 different institutes.
- Training programme on 5S, ISO 9000 awareness, Safety Management etc for MSMEs.
- Various interactive sessions through Govt bodies for growth MSMEs in Ahmednagar.



## Summary of training topics conducted at AAEA-CG Skill Development Center

Sr No	Name of the training topic	Duration
1	EDP program for young graduates	3 days
2	Workplace -Safety First Aid &CPR	4 hours
3	Overview Of ISO 14000 & OHSAS	4 hours/8 hours
4	Email Etiquette	4 hours/8 hours
5	APQP	8 hours
6	FMEA & MSA	8 hours
7	PPAP	4 hours/8 hours
8	GD & T	3 days
9	Industrial Safety And Risk Assessment	4 hours/8 hours
10	Personality Development & Presentation Skill	4 hours/8 hours
11	Labour Laws For Managers	4 hours/8 hours
12	TPM	8 hours
13	Communication Skill – Verbal & Written	4 hours/8 hours
14	Strengthens your Wings.(Employability Skill Development Program for young engineers)	3 days
15	Six Sigma yellow/green belt certification program	3 days to 6 days
16	8 D Structured problem solving with practical examples	8 hours



## Summary of training topics conducted at AAEA-CG Skill Development Center

Sr No	Name of the training topic	Duration
17	Ownership at workplace & career growth	4 hours/8 hours
18	Overview Of ISO 9001, 14001 & OHSAS 18001	4 hours/8 hours
19	Call/phone Etiquette	4 hours/8 hours
20	STOP for each other - safety program	4 hours/8 hours
21	Industrial Safety And Risk Assessment	4 hours/8 hours
22	Effective Communication, Pubic speaking, Motivation	4 hours/8 hours
23	Certification Program of ASNT Liquid Penetrate Testing Level I/II	2 days
24	Certification Program of ASNT Magnetic Particle Testing Level I/II	2 days
25	Certification Program of ASNT Liquid Penetrate Testing Level I/II	2 days
26	How to introduce Self Effectively During Personal Interview	4 hours/8 hours
27	Management & Team Leadership Skills	4 hours/8 hours
28	Soft Skills and Business Etiquette	4 hours/8 hours
29	Goods and Services Tax (GST)	4 hours/8 hours
30	Cultural & Discipline training for working in Factory	4 hours/8 hours
31	Certification Program On Radiography Testing (RT)Level I & II	2 days
32	Certification Program on Internal Auditor ISO 9001-2015	2 days
33	Certification Program On Ultrasonic Testing(UT) Level I & II	2 days



## Summary of training topics conducted at AAEA-CG Skill Development Center

Sr No	Name of the training topic	Duration
34	Service Culture Development in Service Organizations	4 hours/8 hours
35	Quality Improvement Program	4 hours/8 hours
36	MS Outlook	4 hours/8 hours
37	Building High Performance Team	4 hours/8 hours
38	Investor Awareness Sessions	4 hours/8 hours
39	Effective Teaching & Learning Process	4 hours/8 hours
40	Sustaining in Today's Competitive Market	4 hours/8 hours
41	Hazard Identification and Risk Assessment.	4 hours/8 hours
42	Stress Management	4 hours/8 hours
43	Total Productive Maintenance (TPM)	4 hours/8 hours
44	Fusion 360 integrated CAD/CAM/CAE	4 hours/8 hours
45	Vision Building & Goal Setting	4 hours/8 hours
46	Constructive Mind Set	4 hours/8 hours
47	Basic Of Metallurgy	4 hours/8 hours
48	Attitudes And Values	4 hours/8 hours
49	Guages handling & calibration	4 hours/8 hours
50	Effective Customer Relationship Management Skills	4 hours/8 hours
51	Managing Time For Better Performance	4 hours/8 hours
52	Personality Development & Interpersonal Skills	4 hours/8 hours
53	Creative Teaching	4 hours/8 hours





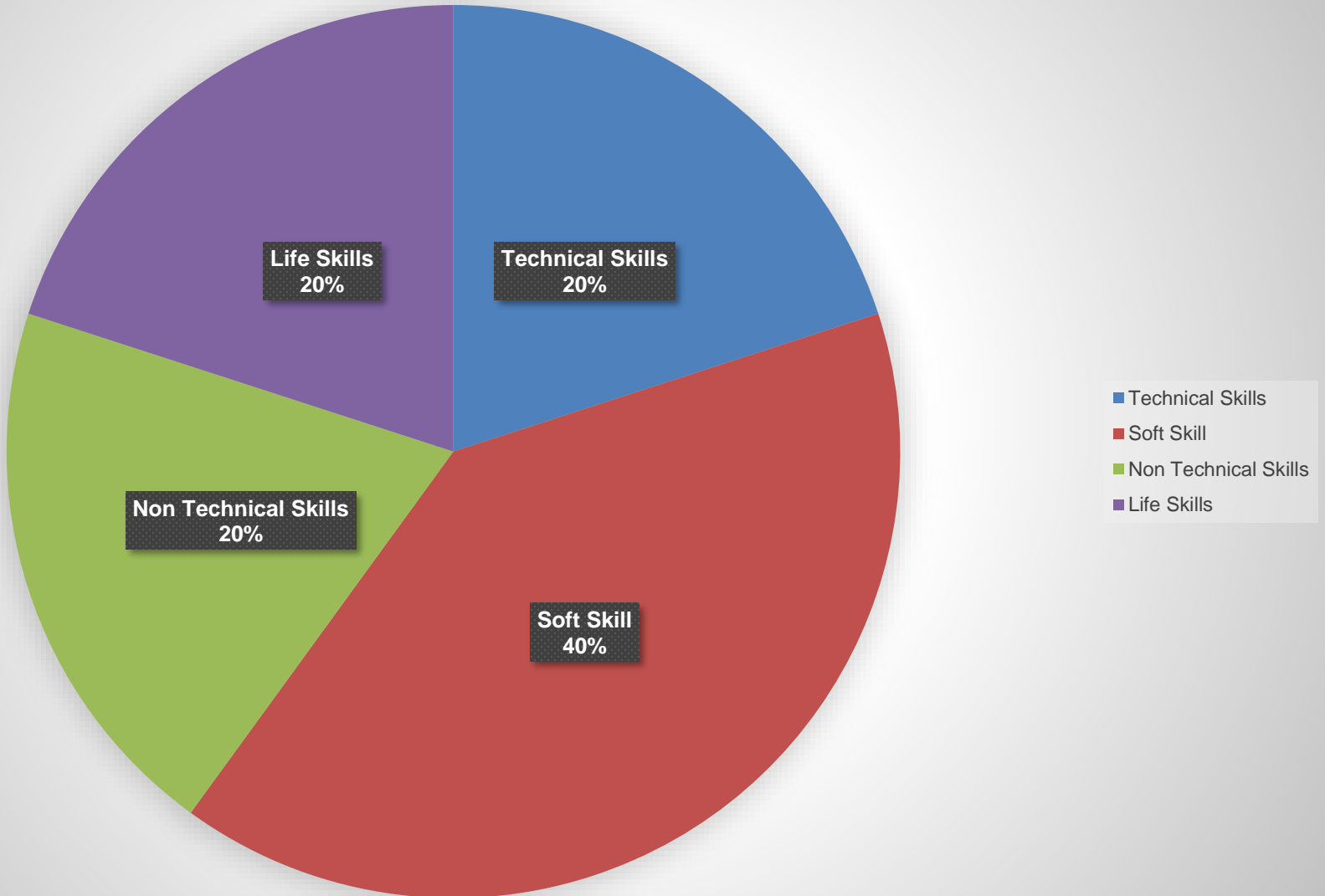
## Summary of training topics conducted at AAEA-CG Skill Development Center

Sr No	Software courses	Duration
54	CAD using Catia V5	2 days to 2 weeks
55	CAD using NXCAD	2 days to 2 weeks
56	CAM using DELCAM	2 days to 2 weeks
57	CAM using MASTERCAM	2 days to 2 weeks
58	FEA using ANSYS	2 days to 2 weeks
59	FUSION 360 CAD/CAM/CAE	2 days to 2 weeks
60	CATIA V5	2 days to 3 weeks
61	Auto CAD	2 days to 3 weeks



# Skill wise Topics conducted at AAEA-CG Skill Development Center

## Types of Skills Covered at AAEA



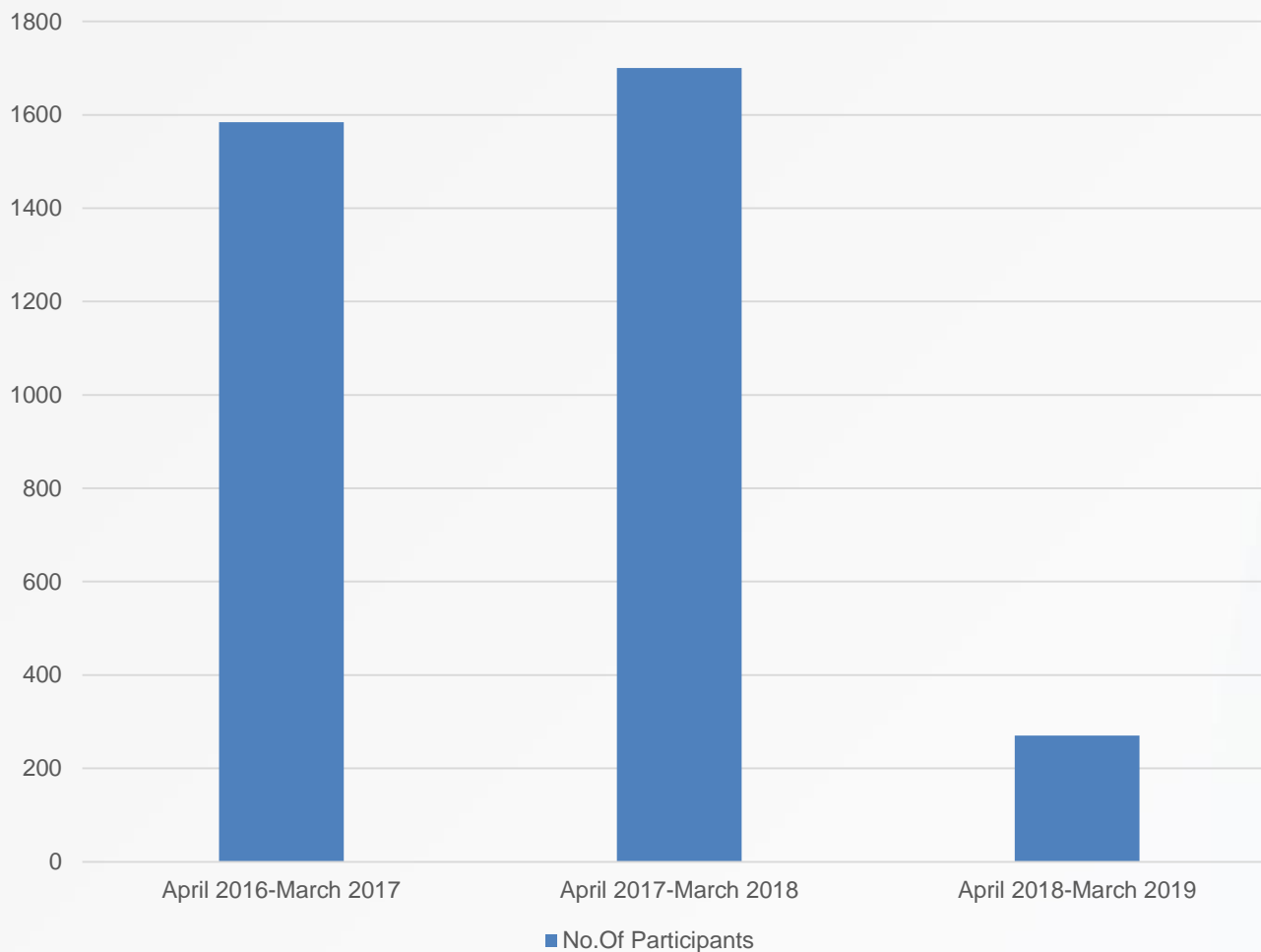


# NUMBER OF PARTICIPANTS AT AAEA TRAINING PROGRAMS- 2016 - 2019

Sr. no	Accounting Period	No of training programs	No of participants
1	April 2016 - March 2017	111	1584
2	April 2017 - March 2018	114	1700
3	April 2018 - March 2019	34	270
	<b>TOTAL</b>	<b>259</b>	<b>3554</b>



# Participants in Trainings at AAEEA-CG Skill Development Centre 2016-17,2017-2018,2018-2019





# AAEA- Future Training Plans

- **Siemens advanced CNC training execution.**
- **Geometrical Dimensioning & Tolerance training – 3 days.**
- **CNC/VMC machine operation & programming.**
- **Foreign Languages training**
- **Fitter Fabrication -training facility start up.**
- **EDP program training.**
- **Six Sigma- Certification program Yellow/ Green/ Black belt.**
- **Registration for PMKVY 2.0 under NSDC**
- **Motor Winding training Batch no. 4**
- **MSSDS training programs**
- **Tally ERP training**
- **Start up of E-Learning modules**
- **MSME- IGTR Auranabad joint colaboration for technical training**



# AAEA – Ahmednagar Auto & Engineering Association

## EXPECTATIONS FROM AHMEDNAGAR BASED INDUSTRIES

- Corporates to consider this facility for CSR as this is Social Project.
- Corporates to encourage their vendors to become cluster members, who will benefit by consistent updation & up-gradation of management and manufacturing capability.
- Use training facilities provided by **AAEA**.
- Use machine shop facilities for prototype development.
- Recommend Ahmednagar Auto cluster services in business networks.
- Support skill development activities through active participation.
- Suggest additional service opportunities to Cluster
- Avail testing facilities for the business requirements.



# Snap shots of various training programs





# Snap shots of various training programs











# Ahmednagar Auto & Engineering Association

*THANK YOU*

**for sharing your valuable time**