

TRAIN THE INDUSTRY PROFESSIONALS TO BUILD CAPABILITY "MANAGING UNANTICIPATED DISRUPTIONS"

ACMA CENTER OF EXCELLENCE

Repeatedly rebounding from disruption is tough, but some companies have a recipe for success: a systems mindset emphasizing agility, psychological safety, adaptable leadership, and cohesive culture

Resilient organizations don't just bounce back from misfortune or change; they bounce forward. They absorb the shocks and turn them into opportunities to capture sustainable & inclusive growth. When challenges emerge, leaders and teams in resilient organizations quickly assess the situation, reorient themselves, double down on what's working, and walk away from what's not. This most recent bout of misfortune and change is vexing in its own way.

After all, how often have economic downturns coincided with talent shortages, for instance, or been driven by supply chain challenges?

But the reality is, there is no shelf life on change and no expiration date on organizational resilience. There will always be more uncertainty, more change, and **a constant push for teams to realize outcomes more quickly.**

The companies that cultivate organizational resilience—driven not only by crisis but also by opportunity—***can gain an important, lasting advantage over competitors.***



CENTRE BRIEF

The ACMA Center of Excellence (ACoE) SAKSHAM an state of art training center set up by ACMA to disseminate technology know how to industry. With the increasing need of the auto component industry towards skilling of workforce, ACMA had this dream to establish such a center which can work as a catalyst to fulfil this need of the industry. This dream was realized with the establishment of this center in 2018 within IIT Delhi campus located in Sonipat Haryana.

With the fast-changing needs of Automotive Component Manufacturers, ACMA Center of Excellence has matched the pace of change in terms of new technologies and its speed of adoption. Thus, we are continuously designing newer programs – like **Mechatronics and factory automation programs for various level , Industry 4.0 , affordable robotics , VSM, Zero Defect , Low cost automation, behavioral training , train the trainer programs catering to the finer nuances of various skill gap aspects.**

The certification training program in Zero Defect Program for defect free products and Equipment Maintenance Program for improving overall productivity are the few which is constantly attended by the industry.

Most recently ACMA center of Excellence has paved its way to enter into the training in the field of **Net Zero and Sustainability** – our contribution for a clean and green environment.

This program is designed to explore new technologies for reducing carbon emission and energy stress by leveraging digitization opportunities in light of a complete paradigm shift at manufacturing. Apart from it, ACMA Pillar III has launched brand new ESG (Environment, Social and Governance) cluster program, supporting automotive industry achieve ESG compliance, even before it becomes mandatory in 2025.



The Pillar 3 of ACMA, handles Skilling and Mentoring for ACMA Member and Non members companies. The Pillar 3 along-with ACoE are contributing in our own way for the environment and planet, wherein, my team of talented engineers and technical experts are continuously engaged in designing new programs incorporating sustainable manufacturing topics in our various cluster programs and projects. We have recently launched a program on – “Environment, Social and Governance” and it is very well received by automotive industry. Also, the 1st Cluster of four companies is about to complete 18 months journey of “Sustainable Manufacturing Practices” and all companies have achieved remarkable results with carbon footprint reduction of nearly 2000 metric tons. Pillar – 3 team is also, sensitizing industry members regarding its importance.

Apart from all our regular programs – Lean manufacturing, Zero Defect Quality, Engineering Excellence, this team is incorporating programs on newer topics – robotics & automation and Equipment Maintenance for improving overall plant efficiency levels.

ACMA Center of Excellence, is regularly conducting virtual & physical programs on various topics – Safety, Innovation, Quality, mechatronics, to equip industry members with newer skills. Turnaround project, is getting extremely good response and companies who have enrolled have been immensely benefited by it.

The Automotive Component Manufacturers Association of India (ACMA) with over 1000 members, is the premier organization representing India's automotive components manufacturing industry.

The ACMA Mobility Foundation" (AMF), which has been formed under the aegis of ACMA and its mission is to drive industry growth, job creation, and economic prosperity, ACMA Mobility Foundation is dedicated to supports manufacturing industry in expanding network, offering valuable resources, training on cutting edge technologies and national and international expos, shows, missions , collaboration opportunities etc. The AMF contributes to manufacturing excellence through skills training, mentoring programs and initiatives like cluster training programs, various assessment programs, Need base inhouse training, competitions, consultancy services and training to graduate engineer trainees.

Centre of Excellence (ACoE) – SAKSHAM is a state-of-the-art training facility established under the banner of Automotive Mobility Foundation (AMF) to impart technological knowledge to the industry and to bridge the skilling gap between academia and the industry. SKASHAM is situated inside the campus of SRM University, Delhi-NCR, Sonipat .

The centre in the skilling ecosystem is envisioned to be a one stop resource centre, established/working in partnership with industry and academia to raise training standards, boost productivity, address emerging skill gaps and align training & research with industry and academia needs. The centre caters to the entire value chain of the Automotive Industry encompassing both manufacturing & servicing. The prime objective is up-gradation of automotive component suppliers in terms of quality, cost and technology orientation through training, consultancy, and other support services. CoE (SAKSHAM) provides training and assessment to Tier-1 & Tier-2 suppliers.

ACMA has dedicated its most advanced training facility & experimental setups to learn and innovate in the field of mechatronics for the use of industry and academia in the field of :

Mechatronics Lab – The centre boasts to possess the most advanced PLC, Numatics, Robotic and IoT machines for simulation. The lab is a full fledged set of integration of mechanical engineering, with electronics and intelligent computer control in the design and manufacturing of industrial products and processes. Lab involves (i) implementing electronics control in a mechanical system (ii) enhancing existing mechanical design with intelligent control and (iii) replacing mechanical components with an electronic solution. The wide array of courses delivered covers all aspects related with mechatronics such as sensors and transducers, actuators and mechanisms, signal conditioning, microprocessors and microcontrollers, modelling & system response and

design and mechatronics, Robotics, PLC controlling , Internet of things (IoT) etc.

Design Lab - Centre's design Lab is equipped with hi- tech workstations specifically made to design and the cloud based CATIA (Computer Aided Three-dimensional Interactive Application) multi-platform CAD/CAM/CAE software which is one of the world's leading solutions for Product Design and Experience and through training's at centre leading organizations learn to develop the products design in the age of experience. The design lab is used by Systems architects, engineers, designers, and all manufacturing contributors to define, imagine, and shape the connected world of manufacturing.

Electric Vehicle Engineering – The Morris Garages India (MG Motors) contributed an electric vehicle (4 wheels) to the Centre purely for the training purpose and through various training in EV field the centre is helping industry to create an ecosystem for Sustainable Mobility Solutions in the country. Various programs in Electric Vehicle, Specialization in Electric Vehicle, HEV technologies are designed and delivered at SAKSHAM.

Centre of Excellence (CoE) SAKSHAM ensures continuous supply of quality trainers in the manufacturing sector and for academia. Special training programme are being developed for training of trainers, including training in collaboration with its knowledge partners (KPs) like AOTS (Japan), BBW (Germany), VDA (Germany), UNIDO, Cardiff University (UK), IIT (Palakkad). Programs with KPs include new technology training, certification courses, study missions, exchange programme, industry visits and simulated training and online training programs. Moreover, appropriate training in the latest technological developments for upgrading the technical skill of industry professionals.

Centre is aligned with the rapidly evolving needs of automotive component manufacturers, keeping pace with technological advancements and their swift adoption. The IoT lab facility provided at the centre helps student of various departments to delve into various applications of sensors and smart objects. The IoT lab consists of numerous sensors that helps in investigating a variety of applications. When and where a technical issue occurs, as well as when equipment needs maintenance, can all be predicted by IoT sensors. Because repairs can be completed more quickly as a result, expenses may be decreased.

It is dedicated to the industry, providing a conducive environment for experiential learning, and supporting organizations in building a motivated, well-trained, and competent workforce, ready for the future. This Industry-academia collaboration promotes industry-based projects for students, Ph.D.

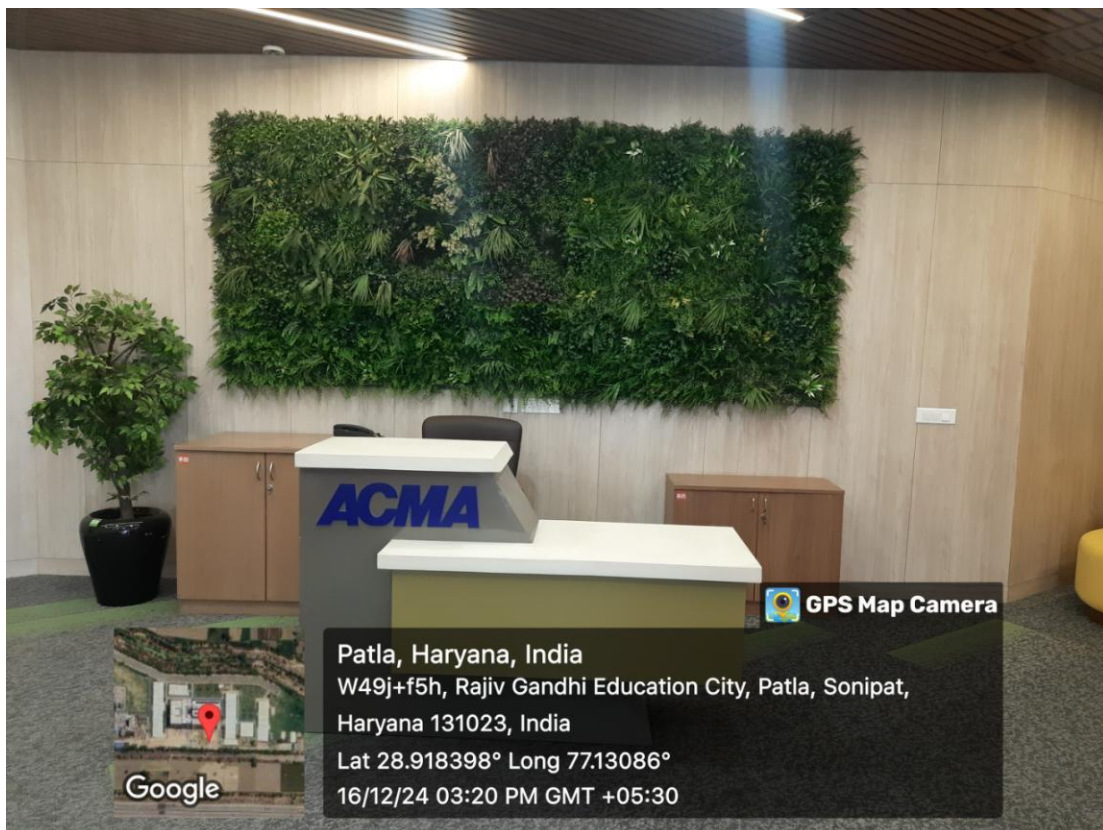
scholars, and research fellows, fostering groundbreaking innovative solutions & new ideas.

SAKSHAM (CoE) expanded its focus to include training in ESG , Net Zero, circular economy and Sustainability, contributing to a clean and green environment. This program explores new technologies for reducing carbon emissions and energy consumption, leveraging digital opportunities amidst a paradigm shift in manufacturing.

The ACMA (Automotive Component Manufacturers Association of India) and SRM University collaboration is focused on advancing engineering and manufacturing. This partnership predominantly involves various initiatives such as Faculty Development Program, Research & Development, internships, training programs, and workshops aimed at bridging the gap between industry needs and academic knowledge.



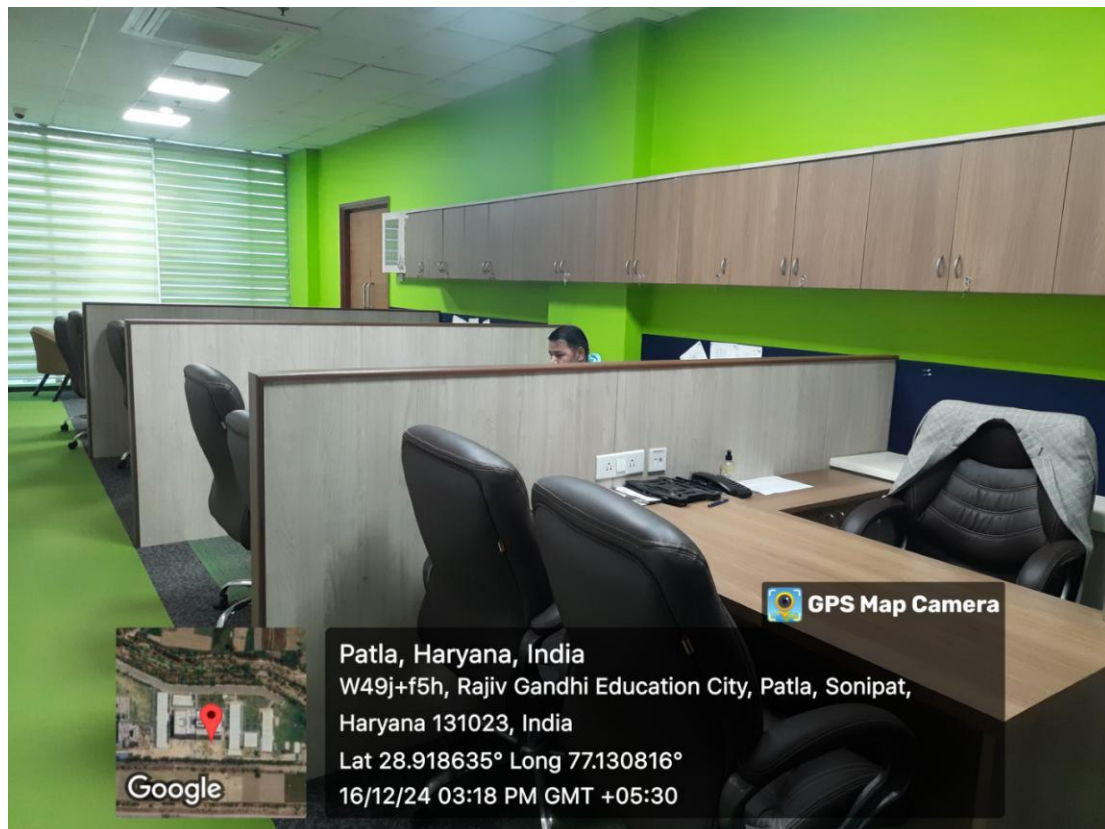
SRM Engineering Block



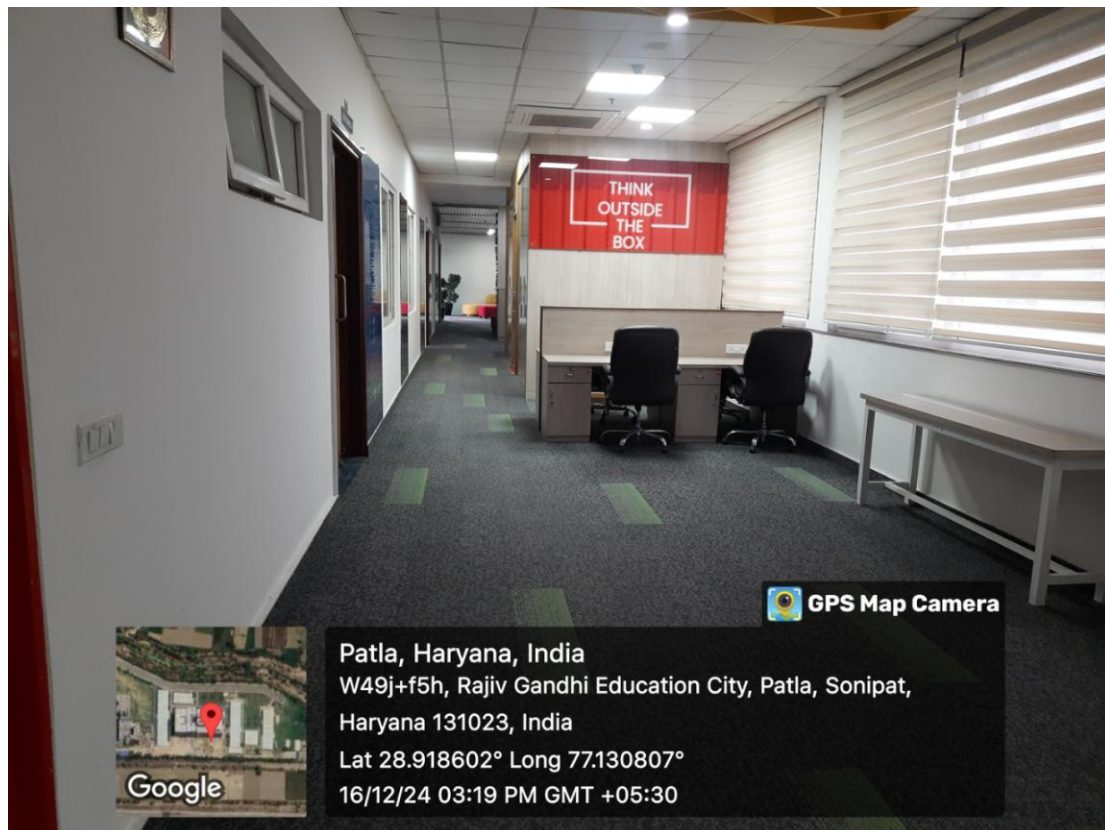
ACMA reception



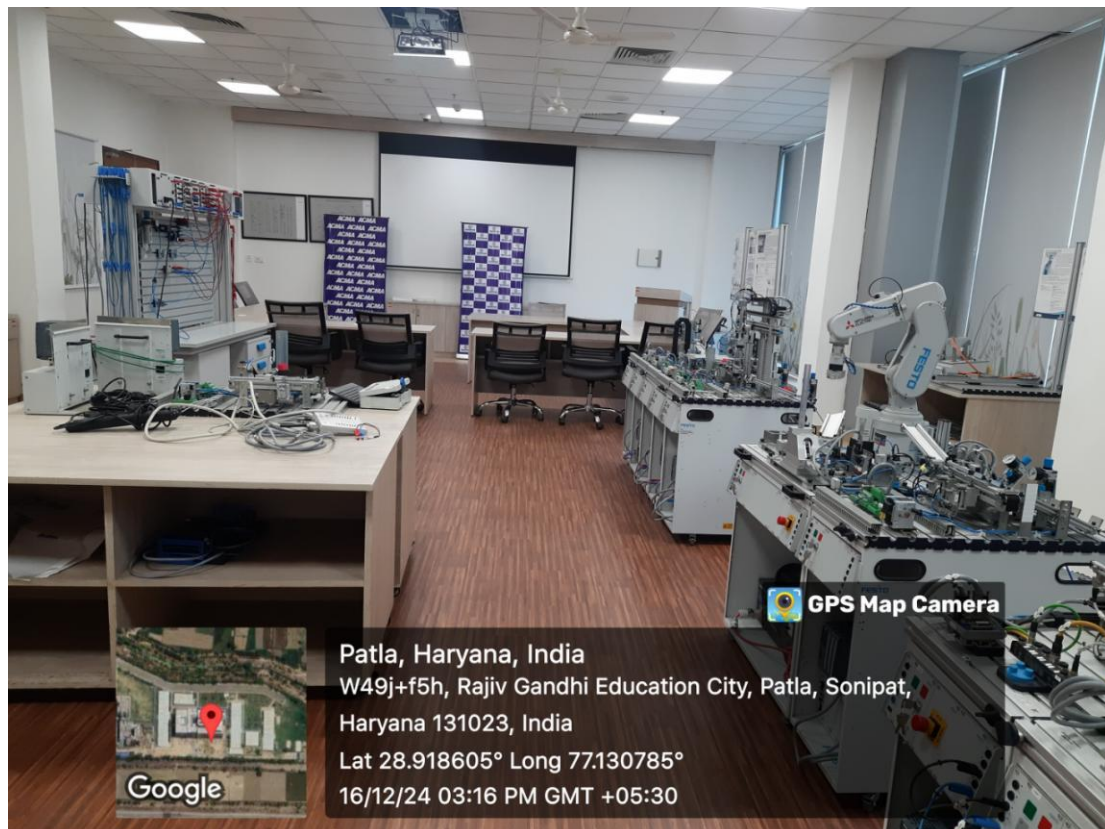
Conference room



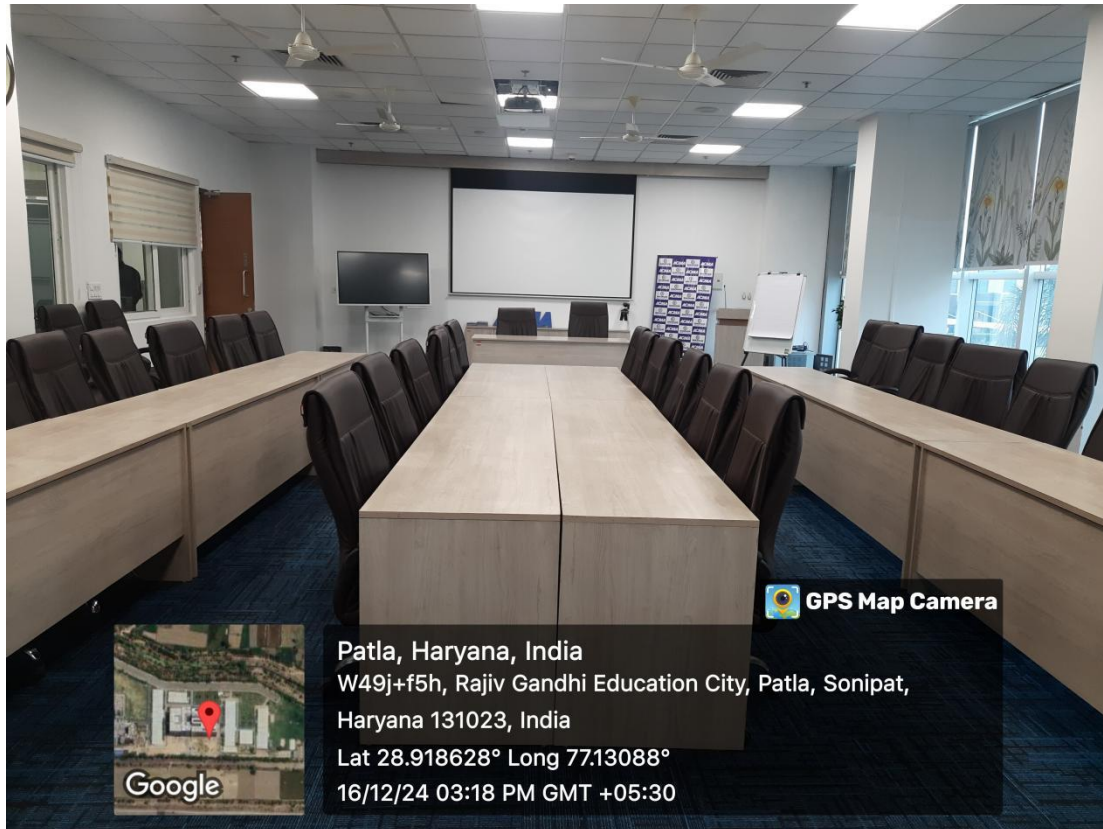
ACMA Staff room



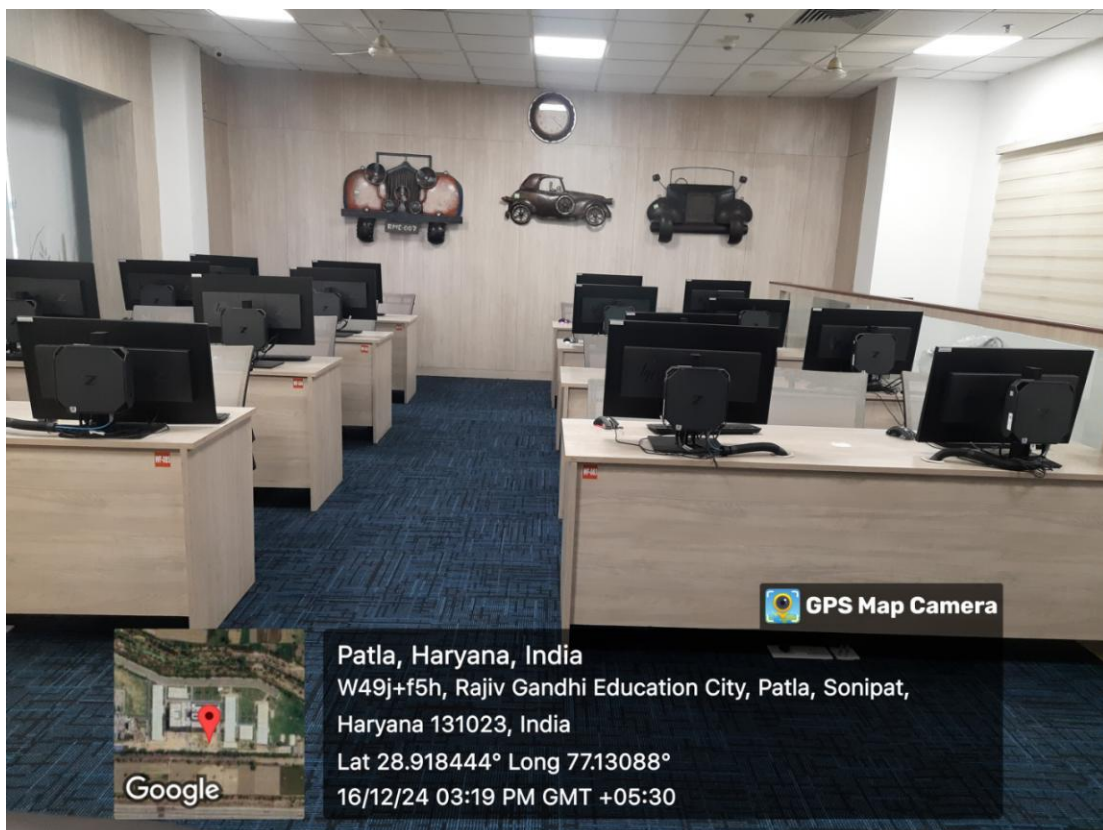
Interns training area



Mechantronics Lab



Sustainability Lab



Design Lab

Activities Conducted by ACMA Centre of Excellence: SAKSHAM

Sr. No.	Program Name	Virtual / Physical	Date		Industry People	SRM Faculty / Students
1	ACMA Safety Webinar on Organization Safety Best Practices Implementation	Virtual	30-11-2023	30-11-2023	87	0
2	ESG awareness Program at Kiswaok Premises - Kolkata.	Physical	12-12-2024	13-12-2024	31	0
3	Digital Transformation in Manufacturing - A Comprehensive Industry 4.0 Overview	Sonipat	20-12-2023	21-12-2023	9	0
4	Defect-Free Manufacturing - Crafting Excellence from PPM to Zero	Sonipat	21-12-2024	22-12-2023	17	0
5	IDENTIFY YOUR RISK - Safety Culture Adherence in Organization	Virtual	29-12-2023	29-12-2023	29	0
6	EDP on Role of Effective Leadership	Sonipat	15-01-2024	19-01-2024	0	60
7	Robotics in Industrial Automation (Embarking on the Journey of Robotics: The Beginner's Guide)	Sonipat	30-01-2024	31-01-2024	9	1
8	IDENTIFY YOUR RISK - Safety Culture in Organization!	Virtual	31-01-2024	31-01-2024	15	0
9	PLC & HMI Control System (Learn to Design, Program, and Troubleshoot PLC & HMI Systems)	Sonipat	20-02-2024	23-02-2024	11	0
10	Factory Layout Optimization "Transforming Manufacturing Through World Class Factory Layout Excellence"	Sonipat	28-02-2024	29-02-2024	37	0
11	ACMA Virtual Session on Occupational Health and Safety Adherence in Organization	Virtual	29-02-2024	29-02-2024	25	0
12	Certification Workshop on Defect-Free Manufacturing - Crafting Excellence from PPM to Zero	jalgaon	19-03-2024	20-03-2024	26	0
13	Robotics in Industrial Automation (Embarking on the Journey of Robotics: The Beginner's Guide)	Sonipat	19-03-2024	21-03-2024	4	1
14	Lab Demo to SRM Mechanical students	Sonipat	26-03-2024	26-03-2024	0	5
15	IDENTIFY YOUR RISK Safety Culture in Organization	Virtual	28-03-2024	28-03-2024	38	0
16	Lab Demo to SRM Mechanical students	Sonipat	02-04-2024	02-04-2-024	0	5
17	Finance for Non-Finance Executives Training Program Unlocking Financial Insights for Effective Decision Making	Sonipat	08-04-2024	09-04-2024	12	3
18	Lab Demo to SRM Mechanical students	Sonipat	09-04-2024	09-04-2024	0	7
19	Carrer Development workshop for studnts of SRM	Sonipat	10-04-2024	13-04-2024	0	270
20	Faculty training of Mechanical Department of SRM	Sonipat	15-04-2024	15-04-2024	0	15
21	Digital Transformation in Manufacturing-A Comprehensive Industry 4.0 Overview	Sonipat	18-04-2024	19-04-2024	15	0
23	Robotics in Industrial Automation Embarking on the Journey of Robotics: The Beginner's Guide	Sonipat	23-04-2024	26-04-2024	4	0
24	Optimizing Manufacturing Efficiency - Plant Layout Design & Factory Flow Simulation	Sonipat	25-04-2024	26-04-2024	14	0
25	IDENTIFY YOUR RISK Organizational Safety Best Practices	Virtual	30-04-2024	30-04-2024	36	0
26	Finance for Non-Finance Executives Training Program Unlocking Financial Insights for Effective Decision Making	Physical	08-05-2024	09-05-2024	26	0
27	ENVIRONMENTAL, SOCIAL AND GOVERNANCE (ESG) SMALL ACTS, BIG IMPACTS	Sonipat	13-05-2024	14-05-2024	17	0
28	How to Design Automation-From Concept to Implementation	Sonipat	20-05-2024	22-05-2024	7	0
29	Digital Transformation in Manufacturing A Comprehensive Industry 4.0 Overview	Sonipat	28-05-2024	29-04-2024	7	0
30	IDENTIFY YOUR RISK Organizational Safety Best Practices	Virtual	03-06-2024	03-06-2024	28	0
31	Empowering Women Leaders-Unlocking Potential & Creating Change	Sonipat	11-06-2024	12-06-2024	8	5
32	Comprehensive Fire Safety Workshop Ensuring Safety Excellence in the Automotive Component Industry	Sonipat	12-06-2024	14-06-2024	17	2
33	Advanced PLC & HMI Control System	Sonipat	18-06-2024	21-06-2024	4	0
34	ENVIRONMENTAL, SOCIAL AND GOVERNANCE (ESG) SMALL ACTS, BIG IMPACTS	Sonipat	24-06-2024	26-06-2024	14	0
35	IDENTIFY YOUR RISK - Driving Safety Culture Through Safety Assessment	Virtual	25-06-2024	25-06-2024	13	0
36	Defect-Free Manufacturing Crafting Excellence from PPM to Zero	Sonipat	27-06-2024	28-06-2024	18	0
37	PLC and HMI Control Systems - Learn to Design, Program, and Troubleshoot PLC & HMI Systems	Sonipat	03-07-2024	05-07-2024	5	0
38	Mastering in Welding Technology	Sonipat	04-07-2024	05-07-2024	10	3
39	Faculty development Program in collaboration with Department of Mechanical engineering of SRM	Sonipat	11-07-2024	16-07-2024	0	18

40	Robotics in Industrial Automation Embarking on the Journey of Robotics: The Beginner's Guide	Sonipat	24-07-2024	26-07-2024	9	2
41	IDENTIFY YOUR RISK - Driving Safety Culture Through Safety Assessment	Virtual	31-07-2024	31-07-2024	31	0



Robotics Training



Women Empowerment



Group activity



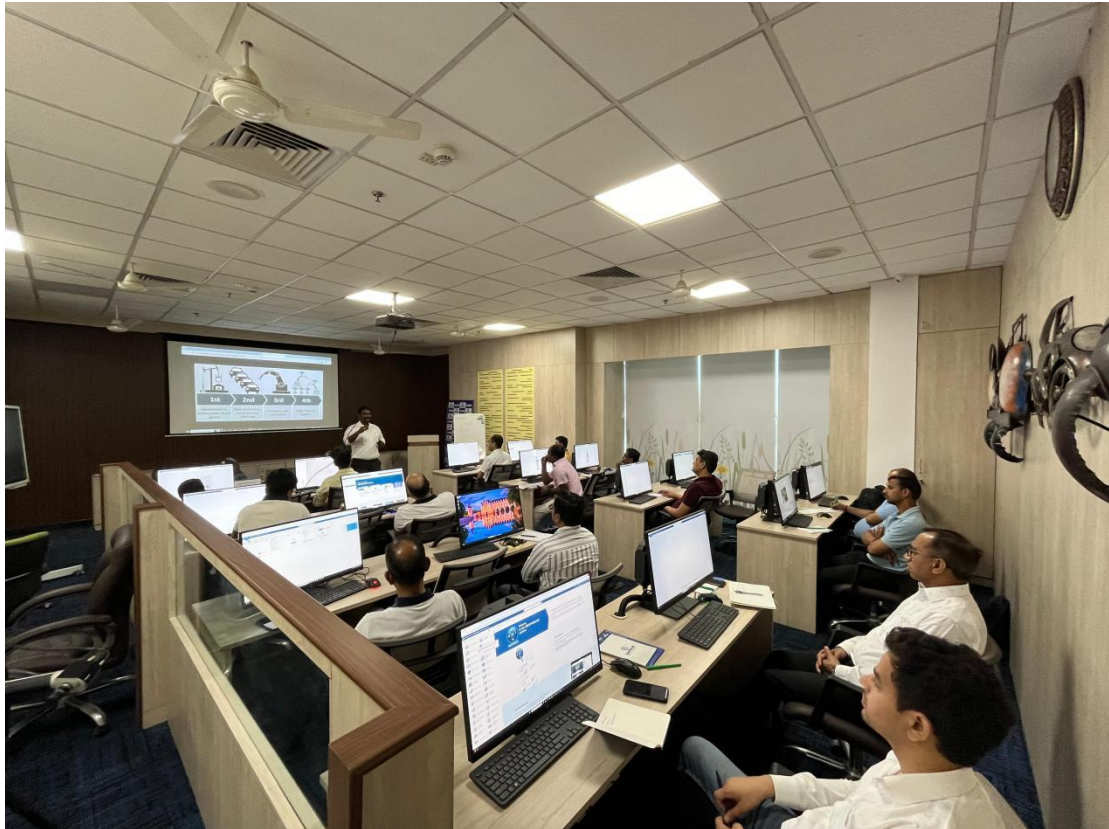
Industry Talk



Industry workshop



IoT workshop



Sustainability workshop



IDENTIFY YOUR RISK - Safety Culture in Organization!



PLC & HMI Control System



Industry Visit