

Elevating Engineering to greater heights

Corporate Training
from CADD Centre



S. Karaiadiselman
Managing Director
CADD Centre Training Services

Message from the Managing Director

What We Think, We Become!

We have built an institution with passion to provide design skills across the globe. Yes, CADD Centre is conceived, weathered and grown as an organization that would stay beyond our times.

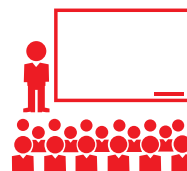
For all of us CADD Centre, Passion is not about making passion statements but it is our way of life.

TIME – Precious Non Renewable Resource. We respect the time invested by our clients with us, we enhance every possible skill needed for them to shine bright in their career. Their purpose of investing their time is well met up with!

Our sincere gratitude to all the 1.4 million engineers and graduates taken our services in the past 28 years across 25 countries. We could achieve all these by the dedicated service of more than 4000 qualified trainers. Over 5000 corporate houses have helped us in fine-tuning our curriculum, making it current and relevant.

Be rest assured that we will deliver highest standard of quality that enhances the productivity of individuals and profitability of the organization.

CADD Centre has been in the field of training for over 29 years. We have presence in over 25 countries, including USA and we work with close to 5,500 corporate houses in India and abroad. We have the right methodologies to identify skill gaps within your team, and offer result-oriented training. Our training helps your team quickly move up the learning curve in engineering and project management domains.



Over 1 million
Professionals trained



Over 29 years of
presence



Industry specific
curriculum



630 franchise outlets
across 25 countries



Internationally
recognized certificate



Globally acclaimed
course material



Institute of Industrial Design (IID) is a premium arm of CADD Centre Training Services Pvt Ltd, the pioneers in CAD training since 1988.

The design outsourcing business is already growing at a good pace, but the shortage of appropriately skilled labour across many industries is emerging as a significant and complex challenge to the growth and future of every developing country. To bridge the skill gap, CADD Centre through its new division – IID will impart advanced training focusing on engineering skills and tools. At IID, we understand the importance of elevating people's skills in adapting to newer challenges and value the returns of investing in technical skill enhancement.

IID delivers industry oriented, domain specific training on key engineering skills. Industries and engineers alike can save considerable cost and time involved in acquiring skills, while existing engineers can upgrade their skills to tune their abilities to a better level. It strives to be a pioneer in providing training on core engineering competencies, and strives to set an unparalleled benchmark in the quality of information passed on to its customers. IID trains and propagates design education and prepares the professionals and visionaries of tomorrow. It seeks to do so by offering application oriented software training in major areas of importance such as automotive, aerospace, reverse engineering, robotics, CFD and Product





Synergy School of Business Skills, a division of CADD Centre

Synergy School of Business Skills is India's largest network of management training institute, dedicated to providing programmes in the areas of corporate/life skills, project management, operational excellence and people skills. With a wide network of over 66 centres, Synergy is also the world's largest Registered Education Provider of PMI, a global organization of project management professionals.



LIVEWireTM
FOR LIVE CAREERS

A part of CADD Centre, LiveWire offers training in the products of global software developers and technology companies such as Axelos, Cadence, CompTIA, EXIN, Microsoft, and Siemens.

LiveWire is a software and technology training Services Company that bridges the skill gap in software development

Information Technology, IT-enabled Services, Engineering Design and Process Management, Knowledge Process Outsourcing, Business Process Management, and other knowledge sectors.





Skilling the gaps

There is a constant need to upgrade to the latest technologies to gain competence over the rising competition. It is especially true in the case of technology industries that experience a growing need to cope up with new technologies to increase productivity or to innovate. This is where CADD Centre's Training benefits corporate employers and professionals to keep pace with the evolving trends in engineering.

Our training helps your team quickly move up the learning curve in engineering and project management domains.





Importance of employee training

In a world where technology is constantly evolving, businesses function in a state of flux. It is critical for business to stay updated and adapt quickly to new, evolving methods of functioning.

Here's why training is crucial

- The right training gives employees the necessary skills and knowledge to carry out their work to the best of their ability, increasing productivity and quality of work
- Technology evolves. Things change at workplace. Regular training means your business and your employees don't get left behind
- Training and development can give your employees an increased and more diverse skills sets – thereby making them more productive and versatile.
- Highly skilled employees can deliver higher levels of customer satisfaction – boosting your reputation
- Training your employees can give you a genuine competitive advantage

Tailor-made programs

We understand that the business goals and training objectives of every organization are unique. So, while we have standard training modules, we are always happy to understand your specific requirements and arrive at a unique training program just for you.

We will sit with your team and your key stakeholders, to build your training from the ground up. We will work with your team to identify and understand your training objectives and goals. Based on these discussions we will zero-in on the specific skills and the appropriate delivery style to accomplish your unique training objectives.



Programs offered in CAD/CAE/CAM & Project Management

- ✧ Product Engineering
- ✧ Aerospace Design
- ✧ Product Styling
- ✧ Product Simulation
- ✧ Automobile Body Design
- ✧ Building Information and Modelling
- ✧ Structural Engineering
- ✧ Enterprise Project Planning Management
- ✧ Project Management Professional (PMP)

Programs offered in Electrical & Electronics

- ✧ Electronic Design Automation
- ✧ Industrial Design Automation

A background image of three people smiling. A woman with long dark hair is in the foreground, slightly to the right, looking towards the camera. Behind her, a man and another woman are smiling, though they are out of focus. The overall tone is positive and professional.

Programs offered in IT & Process Improvement

- ✧ Operational Excellence
- ✧ Business Automation
- ✧ Business Analytics

Programs offered in Personal Development

- ✧ People Skills
- ✧ Home Making & Self grooming

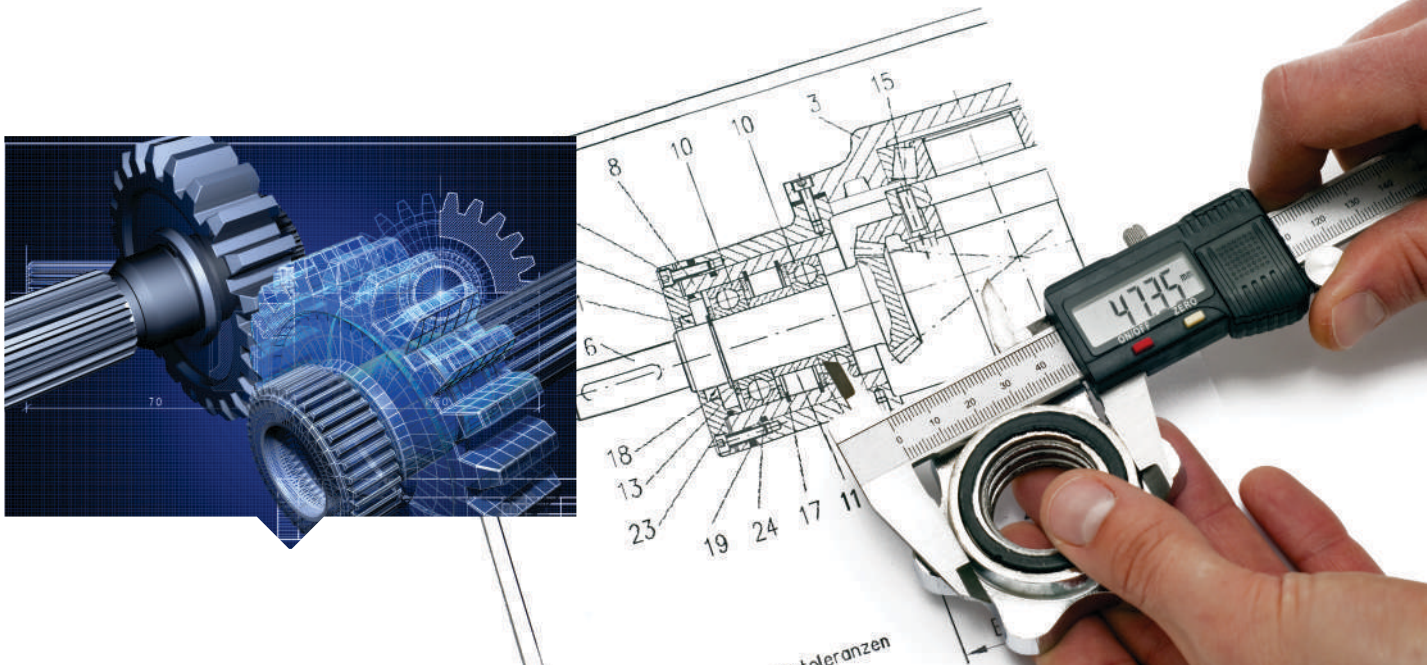
Product Engineering

Meeting Expectations; and exceeding them

Product engineering is behind the conception to prototyping to manufacturing of products that we use in our daily lives. Though it is an engineering discipline, product engineering involves understanding of the needs of the customers by observing their life styles and interacting with them. The primary goals of product engineering are to develop products that meet the expectations of customers in terms of performance, cost, and quality. However, it also concerns with reducing the environmental impact of products and the social cost.

Courses

- SolidWorks
- CATIA
- Creo
- NX
- Ansys
- Revit MEP
- MSC
- Mastercam
- CATIA Kinematics



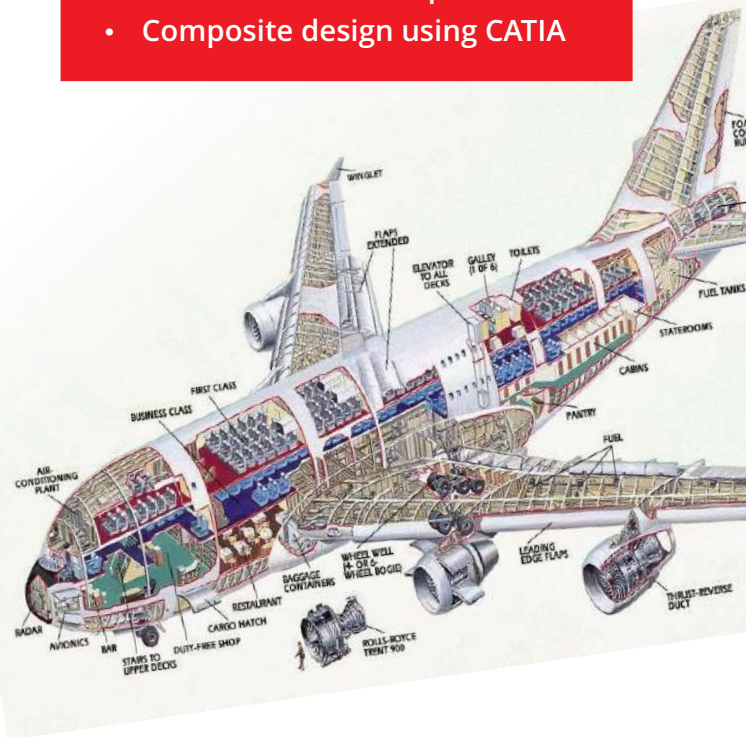
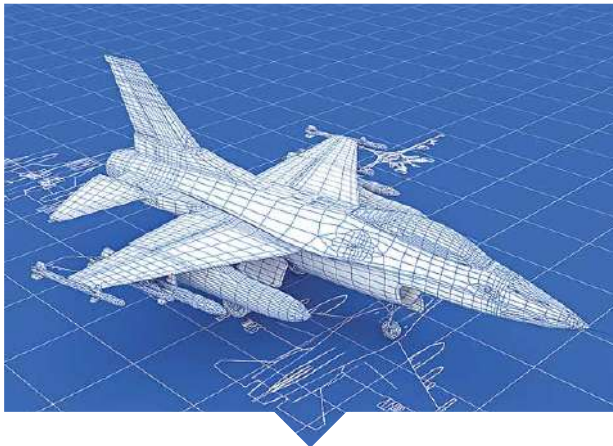
Aerospace Design

Aircraft refers primarily to commercial, and business airplanes, and many subsonic and supersonic fighter planes. Owing to an unprecedented growth of air traffic and emergence of new sets of users, there is a constant need to design new aircrafts models and passenger aircraft.

Designers need conceptual creativity skills and strong background in aerodynamic, structural and propulsive technologies. Also as the introduction of software tools has drastically changed the aircraft development scenerio, designers need to acquire skills to use software in aircraft sizing, performance analysis, weight and cost prediction, among others.

Courses

- Scanning / Measuring
- Importing and processing of scan data
- 3D modeling (CATIA Surfacing)
- Product analysis (CAE)
- Prototyping using 3D printing
- Introduction to BIW
- BIW design using CATIA
- Introduction to Composites
- Composite design using CATIA

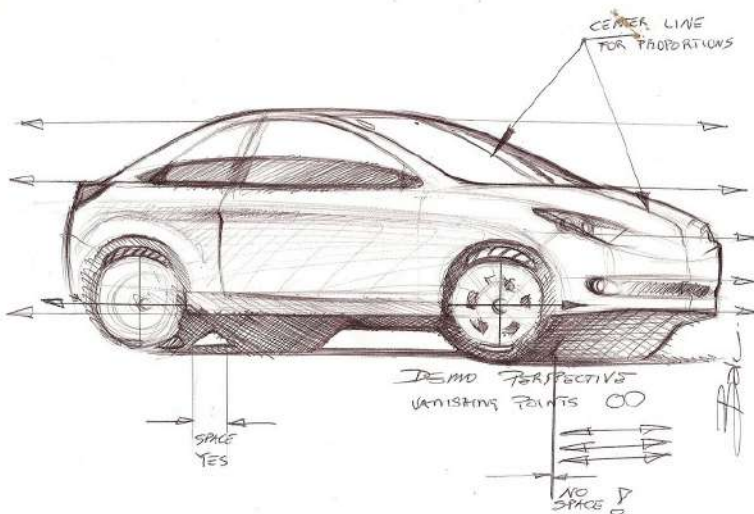
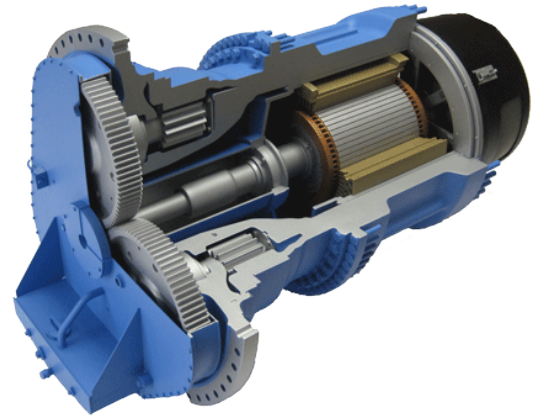


Product Styling

This program aims at training on the drawing skills needed to sketch the conceptual design of automobiles, consumer products, automotive design - styling a technical surface. The modules aim at training on high quality technical surface modelling, especially for automotive designs.

1. The students will be learning about designing a product by applying ergonomic concepts.
2. Computational Fluid dynamics (CFD) will enable the engineers to predict the fluid flow, heat mass transfer, chemical reactions and related phenomenon by solving the mathematical equations which governs these processes using numerical process.

These programs are suitable for professionals in Automobile / Aeronautical / Mechanical fields.

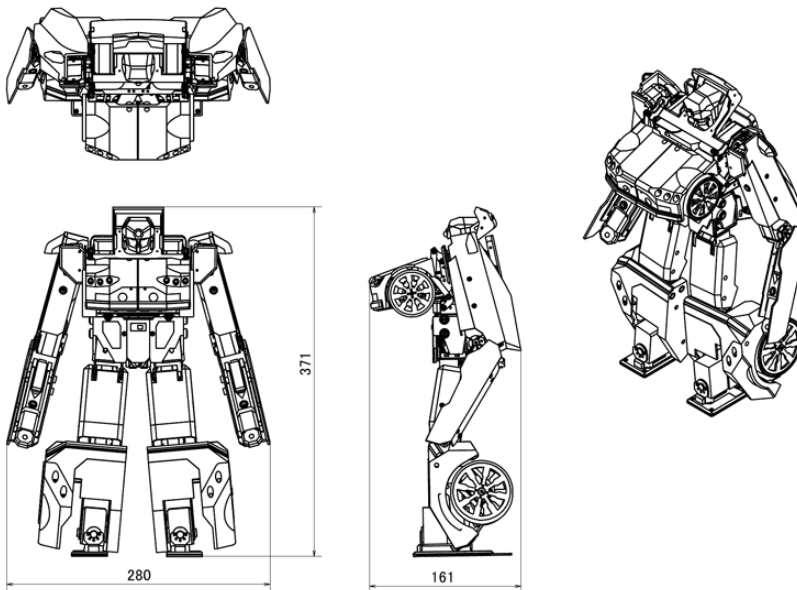
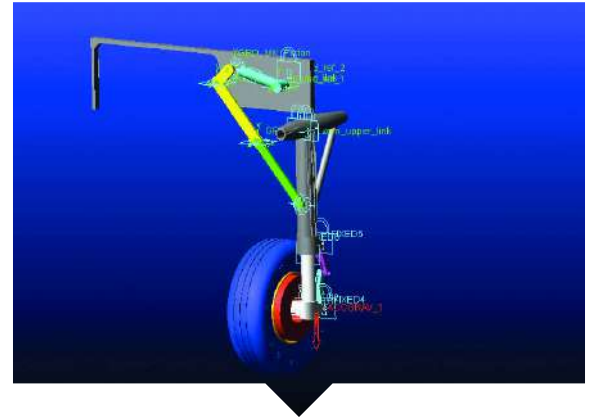


Courses

- Sketching for automotive designers
- Clay modeling
- 3D scanning
- Computer Aided Styling for automotive engineers
- Computational Fluid Dynamics
- Product Ergonomics
- Prototyping using 3D Printing
- Sketching for product designers
- Computer Aided Styling for Product designers

Product Simulation

This program offers courses for comprehensive Finite Element Analysis (FEA) to predict product performance through linear, nonlinear, thermal, and dynamic analyses, optimize designs and validate product behavior before manufacturing. This course aims to train on software which can help to predict, validate and optimize with the products using accurate analyses that one can trust .



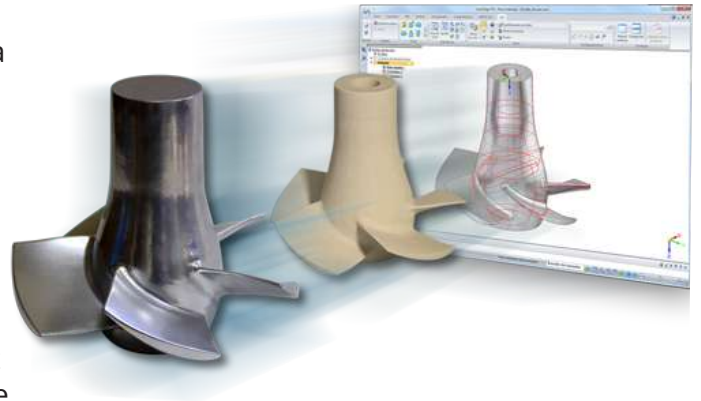
Courses

- Principles of Robotics Design
- Simulation using SolidWorks
- Analysis using ADAMS

Automobile Body Design

Automotive body design gives a vehicle its design, style and personality. It is at the forefront of how a vehicle is perceived and directly influences a customer's buying decision. However, automotive body design involves not just designing of new concepts but also the designing of processes of production.

Owing to competition and globalization of the automobile industry, this branch of engineering design witnesses an influx of innovation. Constant learning of changing design practices and software tools is a must.



Courses

- Sketching
- AutoCAD Alias
- Computational Fluid Dynamics
- BIW Design
- Product Design using Reverse Engineering

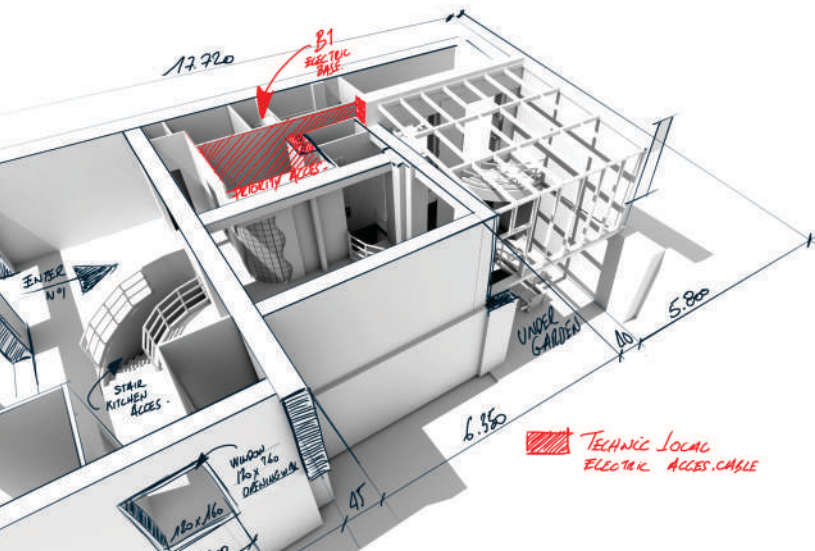


Building Information Modeling (BIM)

Visualizing a New World

BIM is a concept of digital representation of building design and the design process. It enables designers to process data related not only to height, width, depth, but also to cost and time.

Almost all leading CAD product companies offer BIM software for planning, designing, constructing, operating and maintaining buildings. CADD Centre offers training for popular BIM products such as Revit Architecture, Tekla Structures, Archicad, and BIM products of Bentley.



Courses

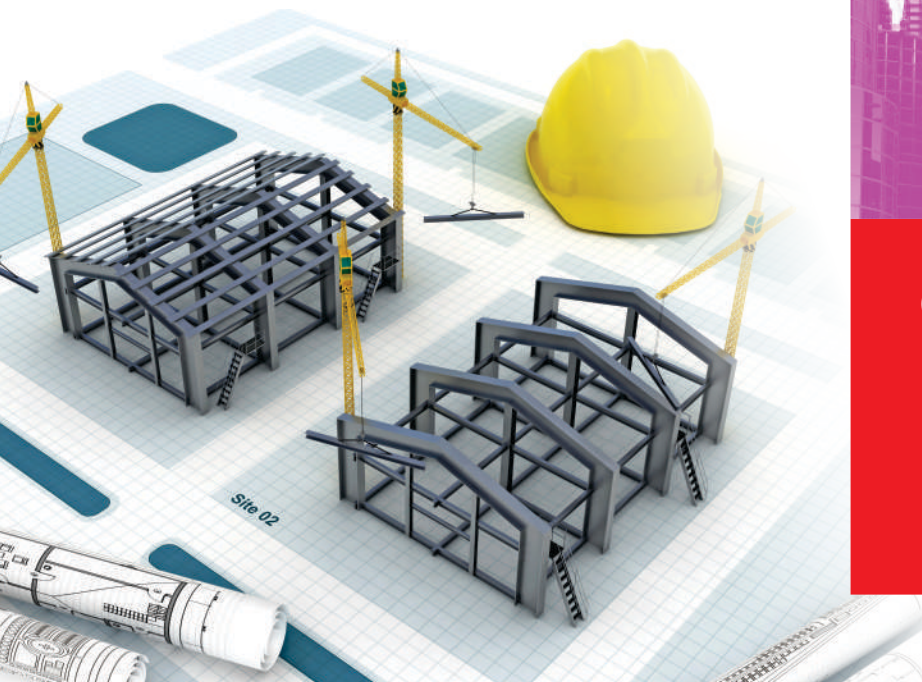
- Autodesk Revit Architecture
- Autodesk Revit MEP
- Autodesk Revit Structure
- Graphisoft ArchiCAD
- Bentley Architecture
- Bentley STAAD Pro
- Tekla Structures
- Autodesk Navisworks

Structural Engineering

The foundation for strong buildings

Structural engineering is an engineering discipline of designing structures for a wide variety of buildings and non-buildings constructed using materials like steel, concrete and wood. Apart from civil sector, structural engineering finds its application in designing mechanical, aerospace, marine, naval and offshore structures.

With the complexity of structures getting increased, designing and analyzing them requires extensive usage of software. CADD Centre offers training for engineers in using leading structural engineering design software such as Staad.Pro, Ansys Civil, ProSteel and RCC Detailing.



Courses

- STAAD.Pro
- RCC Detailing
- Prosteel
- Ansys Civil

Enterprise Project Portfolio Management (EPPM)

Right course. Right here

People often get confused with project management and project portfolio management. The former is about creating a unique value, while the latter is about selecting right projects and optimizing resources.

Why EPPM?

To focus on the projects, which are most closely aligned with a company's strategic objectives.



Courses

- Primavera



Project Management Professional (PMP)

About PMI®

Project Management Institute is the world's leading not-for-profit professional membership association for the project, program and portfolio management profession. Founded in 1969, PMI® delivers value for more than 2.9 million professionals working in nearly every country in the world through global advocacy, collaboration, education and research.

You can apply for any certification that matches your qualifications, and no certification serves as a prerequisite for another.

Project Management Professional (PMP)®

PMI's Project Management Professional (PMP)® credentials is the most important industry-recognized certification for project managers. Globally recognized and demanded, the experience, educational and competency to lead and direct projects.



Courses

- Project Management Professional (PMP) preparatory training





Electronic Design Automation

Discover the technical intricacies of EDA

Electronic Design Automation (EDA) is a crucial software for designing electronic systems such as printed circuit boards and integrated circuits. The tools work together in a design flow that allows chip designers to design and analyze entire semiconductor chips. Printed Circuit Boards (PCB's), Micro Chips / Integrated Circuits, sensors play a vital role in Electronic Design Automation.

The course focuses on providing training in various aspects of circuit designing, validating and PCB designing using OrCAD tools; designing of ICs and chips using Verilog HDL and the testing process using Incisive-XL-Simulator.

Courses

- **OrCAD**
- **MATLAB**
- **Embedded Systems**
- **VLSI System Verilog**
- **VLSI Digital & System Design**

Industrial Design Automation

Every industry is challenged to work for survival that too with lot of competitions. Automation is the biggest benefit, which helps them to save lot of energy, material and also human effort. On the other hand, automation helps them to increase quality, precision and accuracy. Industrial automation has different types of tools in excellence. PLC, SCADA, CNC and AutoCAD Electrical plays major role in making it effective.



Courses

- PLC
- SCADA
- CNC
- AutoCAD Electrical



Operational Excellence

Greatness lies in constant betterment

Synergy School is a strategic business associate of Kaizen institute India. Synergy's Operational Excellence programs aid the organization in reducing the operation cost and eliminate wastes without affecting quality, timely delivery and cost of products and services one has to offer. Synergy School trains on tools like 5S and Six Sigma to enable the candidates towards quality standards.



Courses

- Kaizen
- Lean Six Sigma Green Belt
- Lean Six Sigma Black Belt



Business Automation

Business Automation course equip the student with the required skills to become an Accounting Technician. An Accounting Technician requires computer and mathematical skills as well as the understanding and presentation skills. It demands the combination of the technical skills starting from basics of accounting till the complete knowledge on the best soft tool in this field, and also the soft skills such as communication and presentation skills.



Courses

- Tally
- 5 S
- Microsoft Office

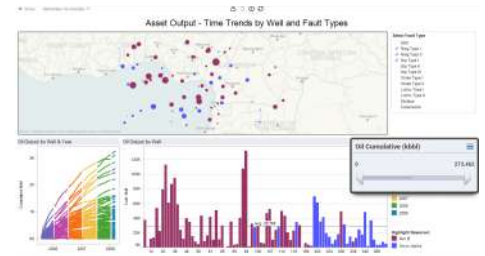
Business Analytics

Data for a Data Scientist is what Oxygen is to Human Beings. This is also a profession where statistical adroit works on data – incepting from Data Collection to Data Cleansing to Data Mining to Statistical Analysis and right through Forecasting, Predictive modeling and finally Data Optimization. A Data Scientist does not provide a solution; they provide most optimized solution out of the many available.

This program aims hone the decision

making skills of managers and owners from 'gut feel' method to more 'data driven' approach. In the course of the 5 day program, the participants will bite into various tools, concepts and methods that will aid them in making far reaching decisions for positive impact to their organization. Every individual, organization or conglomerate that generates data will need Data Science to derive information from it.

As a part of this training program we shall be debunking some myths about data science and show the participants that this can be used with relative ease.



Courses

- Statistical Analysis
- Data Mining / Visualization / Forecasting
- R
- Python
- Tableau
- Hadoop



People Skills

We offer training to individuals to encompass a range of interpersonal and intrapersonal communication competencies. In Business and Organization human relation, the emphasis is on social-emotional awareness, self-presentation, management, getting along with others, negotiation, conflict resolution and decision-making.



Courses

- Employability Skill Development
- Home Making & Self grooming



Home Making & Self grooming

Home management allows you to enjoy your home and family. A home maker is the one called to look after and manage the household. Home is the domain and there is an immense need for every home maker to become a domain expert. The way we run and manage our home has profound influence over our lives, our children, and our families.

There may be seasons (illness, death in the family, etc.) where the home is a little set aside but it should not be the normal everyday pattern for our lives. Home Management is Life Management. Failing to create a happy home is like inviting tumor in your life.

Relax! The good news is home making can be made easy. It is a learnable skill.

Learning to manage yourself and being productive at home is possible for everyone. 'Happy Home Maker' is a 40 hour training course that can help you to revive yourself and reconstruct your home better than ever before.

- Get things straight
- Let your Home Shine
- The Home Economy
- Kitchen Super Star
- Health and Safety
- Home Education and Child Care
- Home Sweet Home
- Self-Grooming



Testimonials

Mr. Omar Awad Wadi Mohamed
Bachelor of Aeronautics

Aeronautical Engineer, at the Aeronautical Research Center, *mainly its business in Aircraft Design, modification and research on the field of Aeronautical & mechanical Engineering.

The course and the modules at CADD Centre were fantabulous beyond words and expectations to meet the requirements of the professional scenario.

Apart from this, one should be open to learn from mistakes, proactive and ready to take challenges in life to succeed in all respects.

Mansoor Aiyappan
Project Control Manager
Nasser S Al Hajri Corporation, KSA

Received detailed information regarding project management concepts and was helpful for PMP examination.

Fawaz
Mechanical Engineering
ASNA CO. for Advanced Technologies Ltd.
Chemical Reactors Laboratory
Saudi Arabia

Through the training was extremely good and well-presented wish it had been all day . If it could ever be such .It would be really good to do what we did in a.m (a quick run through of AUTOCAD basics) and then in the afternoon focus more in detailed examples of how to use it to optimize accessibility as i imagine there is lots that could be said about that would be good to see a (before) and (after) site with some discussion of the impact of the changes for users . Thanks for continuing to offer such valuable content.

M. Mohamed Abdul Kader
Sr. Draftsman

Mitsubishi Electric Saudi Ltd, Mitsubishi Elevator and Escalator/ Travator sales company, Saudi Arabia.

The knowledge that I've learned during my classes has helped me to handle technical and special project in elevator and escalator layout plan. for example Spiral escalator and semi circle elevator arrangement.

Client list

- MN Dastur & Company (P) Ltd
- ABB
- Michelin
- Larsen & Toubro
- ITC
- Areva
- Alstom
- FLSmidth
- Petronas
- Bank Nigara
- Sri Lanka Telecom
- Dialog Telecom
- Colombo Dockyard
- Suntel
- Holcin
- Applied Research and Development Organization
- Aeronautical Research Centre
- Majil Industrial Services
- Amirati Real Estate Company
- Aga Khan Foundation-Kenya
- Kenya National Highway Authority
- Howard Humphreys Kenya Limited(Civil engineering Consultants)
- ASL Engineering & Trading Kenya Ltd
- Hibatec Electrical Engineering Kenya Ltd
- Mwangaza Electrical Company Kenya Ltd
- Consolidated Breweries Ltd
- Fine & Country Nigeria
- Department of Petroleum Resources (DPR)
- ILF Consulting Engineers
- Falcon Petroleum Limited
- Shaaban Steel
- SOCODECO (Saudi Bin Laden Group)
- Universal Car Maintenance Company
- M.O.K Trading
- ABB Global Industries
- Reserve Bank of India
- Indian Oil Corporation
- TATA
- Steel Authority of India
- Southern Railway
- Military Services India
- MRF
- Brahmos Aerospace
- Ashok Leyland Nissan Vehicles Ltd
- Apollo Hospital Enterprises
- BWIR
- Honeywell
- Vikram Sarabhai Space Centre
- Airport Authority of India
- Sandpiper Aviation Ltd Kenya
- Rukun Al Yaqeen International L.L.C Oman

Partner Software Companies

Autodesk®



ANSYS®



PTC®



SIEMENS

At CADD, we ensure that we cover the engineering concepts and introduce current best practices in the industry to help you extract maximum value out of your investment in training programmes. This apart, we provide training on specific managerial and soft skills that help improve your team's performance.

CADD Centre's unique strength lies in the partnership it brings to table. We are official training partners for world's leading software developers including Autodesk, Bentley, Oracle, PTC and Siemens. We are the largest Registered Education Provider of Project Management Institute, US, the professional body for project managers across the world. We have four exclusive divisions whose training services encompass the entire spectrum of engineering, managerial and creative fields.

Hence, when you partner with CADD Centre, you partner with a global player who meets all your technical and non-technical training needs.



For general queries please write to
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Visit our website
www.caddcentre.com
www.caddcentreglobal.com

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Driving Digital Designs!