

# G2G

# INNOVATION



## CAD & CAE SKILL RESOURCE DEVELOPMENT CENTRE



# CAD & CAE

## PROFESSIONAL TRAINING PROGRAM



MH26D0199845



ICI UK  
ICIINDI/3613/XIX

ISO 9001::2015 CERTIFIED

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**Let us  
Develop Right  
Skills today  
to Build a  
Successful  
Career**

# Industrial Training Program in Design

## Post Graduate Program

- Electric Vehicle Design using CATIA V5
- Electric Vehicle Design using SIEMENS NX

## Professional Course in

- Advance CATIA V5 (Product Design)
- Advance SIEMENS NX (Product Design)
- Advance CATIA V5 & SIEMENS NX (Product Design)

# Industrial Training Program in ANALYSIS

## Post Graduate Program

- Advance CAE " Hyermesh & Optistruct / Ansys

## Professional Course in

- Advance CAE " Hyermesh"



सत्यमेव जयते  
GOVERNMENT OF INDIA



MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES

MH26D0199845



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ISO 9001::2015 CERTIFIED

# Post Graduate Program

G2G01 : Electric Vehicle Design using CATIA V5

G2G02 : Electric Vehicle Design using SIEMENS NX

Duration: 8.0 Months

## BASIC

- Sketcher
- Part Modeling
- Assembly
- Drafting

## ADVANCE

- Non Parametric to Parametric Modeling
- Generative Shape
- Surfacing
- Close Volume in Surfacing
- B-Side Features
- Boolean Operation
- Master Section
- Re-Mastering
- Surface Replacement
- Power Copy

## DOMAIN AND PROJECTS



Controls of Electric Vehicle  
Electric Vehicle Power Train  
Battery Management System



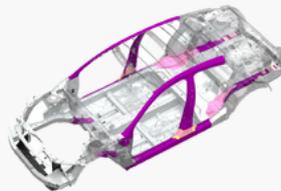
Automotive Wiring  
Harness



Automotive Lighting  
System Design



Automotive Seating  
System Design  
(Sheetmetal  
Domain)



Automotive BIW  
Design (Sheetmetal  
Domain)



Automotive Interior  
Trim Design: Door  
Trim / IP / Console  
(Plastic Domain)



Automotive Exterior Trim Design:  
Bumper (Plastic Domain)

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## Professional Course

G2G03 : Advance CATIA V5 (Product Design)

G2G04 : Advance SIEMENS NX (Product Design)

Duration: 5.5 Months

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G2G05 : Advance CATIA V5 & SIEMENS NX  
(Product Design)

Duration: 7.0 Months

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### BASIC

- Sketcher
- Part Modeling
- Assembly
- Drafting

### ADVANCE

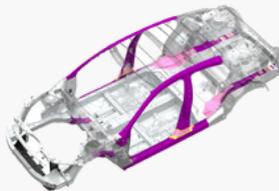
- Non Parametric to Parametric Modeling
- Generative Shape
- Surfacing
- Close Volume in Surfacing
- B-Side Features
- Boolean Operation
- Master Section
- Re-Mastering
- Surface Replacement
- Power Copy

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### DOMAIN AND PROJECTS



Automotive Seating System Design (Sheetmetal Domain)



Automotive BIW Design (Sheetmetal Domain)



Automotive Interior Trim Design: Door Trim / IP / Console (Plastic Domain)



Automotive Exterior Trim Design: Bumper (Plastic Domain)

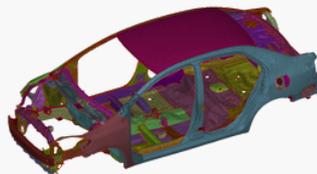
# Post Graduate Program

## G2G06 : CAE - Advance Hypermesh & Ansys (FEA Analysis)

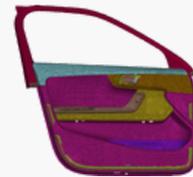
Duration: 7.0 Months



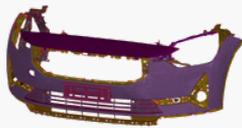
Automotive Seating System Pre Processing (Sheetmetal Domain)



Automotive BIW Pre Processing (Sheetmetal Domain)



Automotive Interior Trim Pre Processing: Door Trim / IP / Console (Plastic Domain)



Automotive Exterior Trim Pre Processing: Bumper (Plastic Domain)



Automotive Seating Foam Pre Processing (Foam Domain)



Engine & Motor Pre-Processing (Casting Domain)



# Professional Course

## G2G07 : CAE - Advance Hypermesh (FEA Analysis)

Duration: 5.5 Months

Geometry  
Creation

Geometry  
Cleanup

1 D  
Meshing

2 D  
Meshing

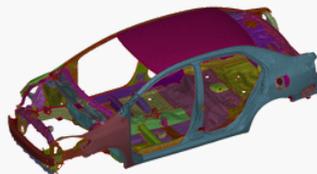
3 D  
Meshing

Connections

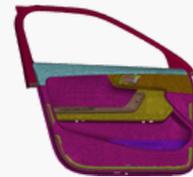
Solver Deck  
Preparation



Automotive Seating System Pre Processing (Sheetmetal Domain)



Automotive BIW Pre Processing (Sheetmetal Domain)



Automotive Interior Trim Pre Processing: Door Trim / IP / Console (Plastic Domain)



Automotive Exterior Trim Pre Processing: Bumper (Plastic Domain)



Automotive Seating Foam Pre Processing (Foam Domain)



Engine & Motor Pre-Processing (Casting Domain)

# Certification Course

G2G08 : CAD & CAE

**CATIA V5 , SIEMENS NX, Hypermesh  
& Ansys**

Duration: 5.0 Months

## Catia V5

 **Sketcher**    **Part Modeling**    **Assembly**    **Drafting**    **Surfacing**

## SIEMENS – NX

 **Sketcher**    **Part Modeling**    **Assembly**    **Drafting**    **Surfacing**

## Hypermesh

 **Geometry Creation**    **Geometry Cleanup**    **1 D Meshing**    **2 D Meshing**    **3 D Meshing**

 **Connections**    **Solver Deck Preparation**

## Ansys

 **Static Analysis**    **Thermal Analysis**    **Modal Analysis**    **Contact Analysis**    **Buckling Analysis**

# Essential Course

## Resume Writing



## Group Discussion



## Presentation Skill



## Communication Skills for Interview



## Professional Email Writing



## Technical Test and Mock Interviews



## Below Course – E Learning and It is Optional

### Aptitude



### Spoken English

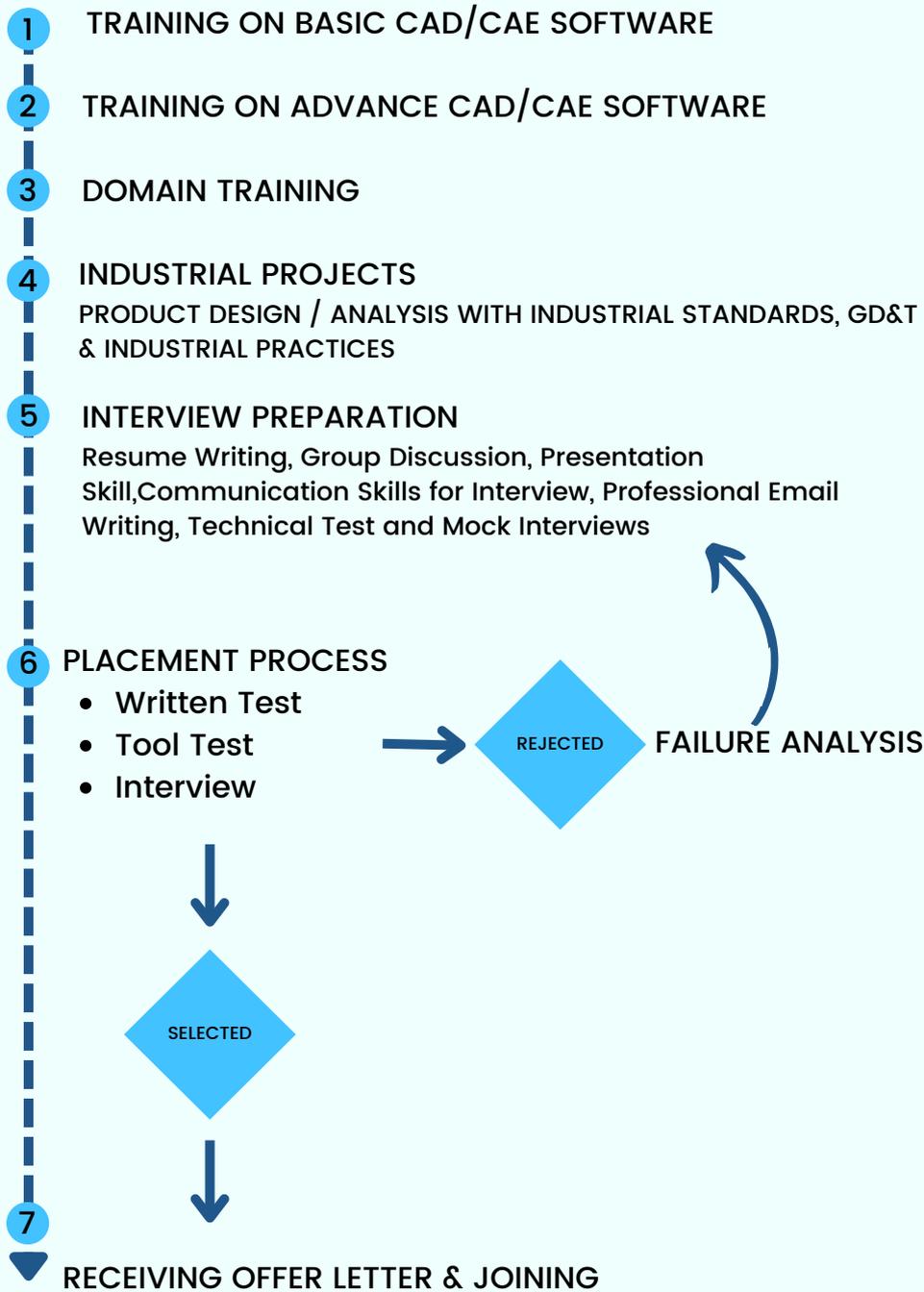


### German Language Level 1 (A1)





# TRAINING METHODOLOGY



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## Salient Features

- Globally Recognized Certificate
- Updated Syllabus as per Industrial Standards
- Start of the Art Lab Facilities
- Hands-On Experience on Live Project Work from Leading Industries (We are only the one in the Segment to provide Live Project)
- Instructor with more than 10+ Years of Industrial Experience
- Domain Training (Plastic , Sheetmetal, Foam, Casting) with real time Projects
- Automotive Projects – Seating System, Interior Door Trim, Instrumental Panel, BIW, Electric Vehicle Design Etc.
- Specialized Training on Soft Skill Development – Professional Email Writing, Resume Preparation, Group Discussion, Interview Techniques, Presentation Skills, GD&T, & German language
- Opportunity to Work on Over 100+ Projects
- Students Progress Report & Regular Evaluation
- Individual Attention on each Student
- Special additional Sessions for Improving performance of Students
- 100% Placement
- Limited Seats per Batch

# Major Recruiter



# Contact



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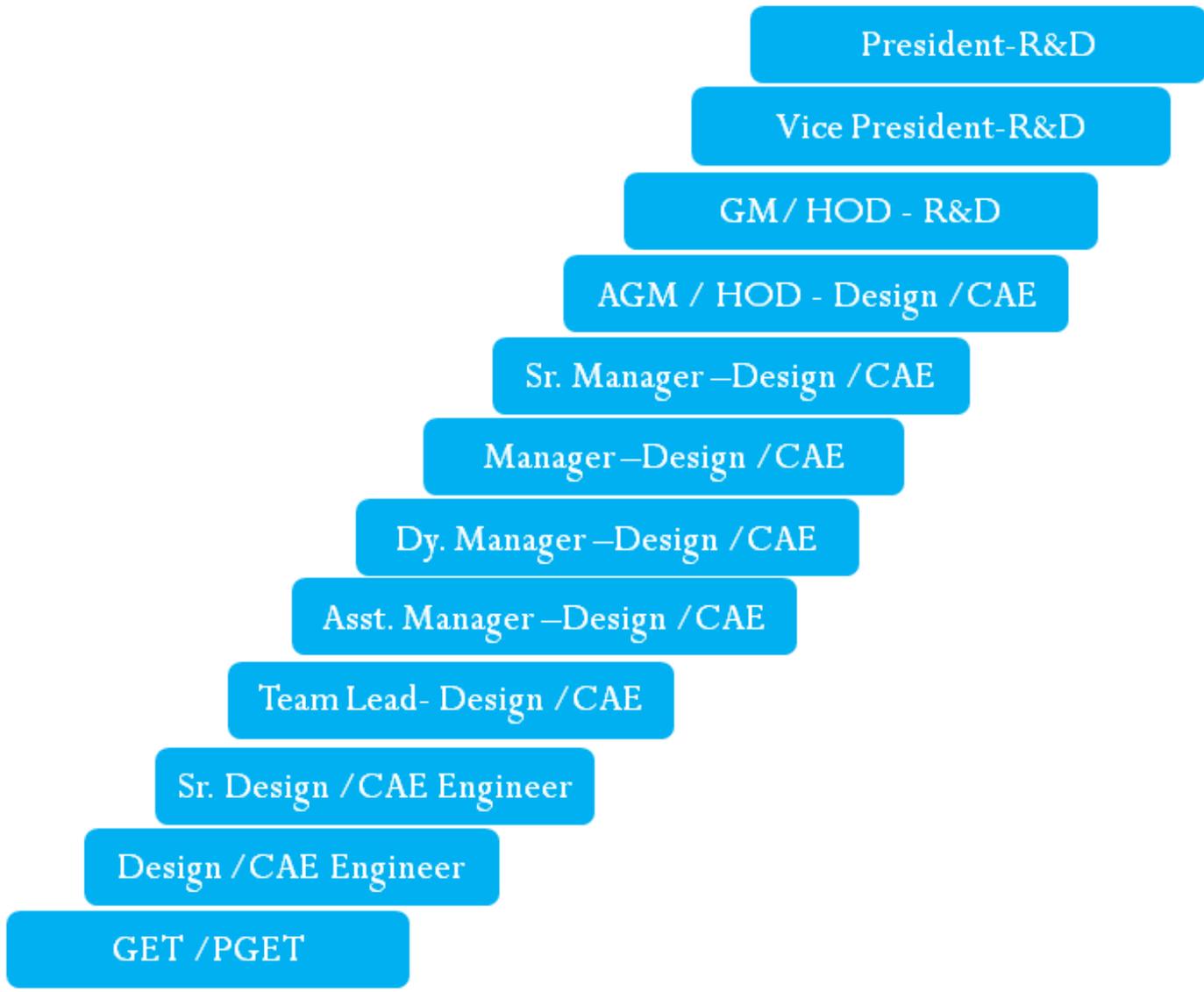


**www.g2ginnovation.com**

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CAD & CAE Skill Resource Develop Centre



### Professional Growth of Design & CAE Engineer