



"Empowerment through quality technical education"

# AJEENKYA

## DY Patil School of Engineering

Approved by AICTE, Recognized by Govt. of Maharashtra, Affiliated to Savitribai Phule Pune University



R  
World Institutional  
RANKING  
Ranked No.1 In Maharashtra



# PG | MASTER CERTIFICATION PROGRAM AUTOMOTIVE DESIGN & ANALYSIS

*TRANSFORMING MECHANICAL ENGINEER TO DESIGN & CAE ENGINEER*

**TOGETHER MAKING INDUSTRY READY ENGINEERS**

  
**Virtual  
Simutech**  
INDUSTRY & TECHNOLOGY  
PARTNER



**ADYPSOE**

  
**G2G INNOVATION**  
SKILL DEVELOPMENT  
PARTNER

## About ADYPSOE

Ajeenkya DY Patil School of Engineering(ADYPSOE) is one of the most prestigious academic groups in the Pune City and state of Maharashtra which is Approved by AICTE and Affiliated with Savitribai Phule Pune University. ADYPSOE was established in 2010 by the Chairman of Ajeenkya DY Patil Group. The institute offers five UG Programs (B.E), three PG Programs(M.E), three Diploma programs, and Six Certification Programs We have collaborated with Industries and Skill Development Centres. Our Academic collaboration with industries for the skill development of engineers is a strategic partnership that will bridge the gap between education and the demands of the workforce. By working together, with industries we have created programs that combine theoretical knowledge with practical experience. This collaboration will enable students to gain hands-on skills and real-world insights, preparing them for successful careers.

## About Virtual Simutech

Virtual Simutech Pvt. Ltd. is an ISO 9001:2015 & ISO 27001:2013 Certified engineering solutions company since 2010 with the focus on innovation and value-added engineering in Transportation, Energy, Appliances and Industrial engineering domains. Our focus is to deliver world-class product design and engineering solutions to our clients. The company is driven by the dynamic leadership of seasoned professionals who have served for over two decades in the field of Engineering. Our engineering expertise empowers our clients to realize their first time right products enabling them to become market leaders. We have strong and successful synergies with Global OEMs and Tier 1 suppliers across the globe.

## About G2G Innovation

We are corporate training partner of Automotive OEMs & Engineering Services in Pune and offers Industrial Oriented Training in CAD/Design & CAE/Analysis for Mechanical, Automobile, Aeronautical Engineering Students. Our Training Programs are design by industrial experts keeping in mind today Industrial requirements. We have trained and developed skills of 3000+ engineers in the field of Design and Analysis. We have a vision to train every ambitious engineer and give them the desired skill required to get his dream job in Design and CAE. Our technical collaboration with Ajeenkya DY Patil School of Engineering(ADYPSOE) is a step forward taken by all of us for providing practical learning platform for all the engineers.

## Principals Message



**Dr. Farook Sayyad**  
Principal,  
Ajeenkya DY Patil School of Engineering

The college has developed excellent infra-structural facilities with well-equipped laboratories and an enriched library, which are updated regularly. The facilities and in-depth teaching is improvising students to understand the recent trends in Engineering and Technology. The College provides not only technical education to students but also conducts many co-curricular and extra-curricular programs, which ensure multifaceted development of students. We are taking forward the education system for gaining practical knowledge and skill development of young engineers by collaboration with Industries. With all the laurels we have achieved till date, We have started skill-based certification courses for Mechanical, Automobile, and Aeronautical Engineers with specialisation in Design & Analysis. I am sure we will keep providing a gamut of professional Engineers and Technocrats, backed by top most professional services.

## Directors Message



**Chandrakant Inamdar**  
Director  
Virtual Simutech Pvt. Ltd.

Industries demands for Skill Mechanical Engineers, and we are delighted to collaborate with Ajeenkya DY Patil School of Engineering (ADYPSOE) for the Skill Development Program of Young Engineers. We will be sharing the latest technologies of Design and Analysis in all the certification program our team has crafted.

## Program Directors Message



**Sushil Bhagat**  
Director  
G2G Innovation LLP

G2G INNOVATION is privileged to share the success of 3000+ Mechanical, Automobile, and Aeronautical engineers in the field of Design & Analysis through our training program. We are honored to be a Skill Development Partner of Ajeenkya DY Patil School of Engineering (ADYPSOE). With our Certification program, we ensure to develop skilled engineers in the field of Design & CAE

# CERTIFICATION PROGRAM

	Course	Software	Duration	Intake
1	Master Certification Program in Automotive Design	CATIA V5 & NX	6 Months	25 Seats
2	Master Certification Program in Automotive Simulation/ Analysis	HYPERMESH & LS DYNA	6 Months	25 Seats
3	PG Certification Program in Automotive Design & Analysis	CATIA V5, NX, HYPERMESH & LS DYNA	12 Months	25 Seats

## ELIGIBILITY

- GRADUATE / UNDERGRADUATE IN MECHANICAL / AUTOMOBILE / AERONAUTICAL ENGINEERING
- POST GRADUATE / UNDER POST GRADUATE
- AVERAGE SCORE 60%

## ADMISSION PROCEDURE

Call on +91 99757 00330 / +91 82630 91540 our representative will assist you

1. Visit [https://adypsoe.in /courses/certification/automotive design & analysis](https://adypsoe.in/courses/certification/automotive%20design%20&%20analysis)
2. Download the application form and take a print
3. Fill the application form
4. Pay the admission fees of Rs 2000/-
5. Scan the application form, along with the payment receipt and the below-listed document send it To - [admission@g2ginnovation.com](mailto:admission@g2ginnovation.com)
6. List of the document required: 10th Mark-sheet, 12th/Diploma Final Year Mark-sheet, Engineering Latest Semester Mark-sheet
7. The application will be reviewed and you will receive an admission registration email
8. Visit G2G Innovation Office or College & Submit the Document to confirm your admission.



# CAREER IN DESIGN & ANALYSIS

Design & CAE is one of the best career profiles for Mechanical, Automobile, and Aeronautical Engineers. A high salary growth, highly technical profile, multiple job openings, most demanding profile, opportunities to work with leading R&D centers in India and across the globe, high Over Sea Onsite Opportunities, it involves Creativity and Problem-Solving, Advanced Technology, Diverse Industries, Collaborative Environment, Continuous Learning and Growth, a perfect lifestyle and work-life balance these are major reason that makes Design & CAE as one of the best career profile for Mechanical, Automobile, Aeronautical Engineers

## SALARY PACKAGES

Fresher Salary starts from 3.00 LPA to 8.5 LPA. Salary Growth is extremely good for Design & CAE Engineer in Automotive, Aviation, Marine, Home Appliance, Construction Equipment, Off High Way Vehicle Industries.

Currently, the salary band for 2 years of experience as Design/CAE Engineer is around 7.0 LPA to 14 LPA and for 5 Years of Experience it is around 15 LPA to 20 LPA

## ORGANIZATION HIRING DESIGN & CAE ENGINEERS

- TATA MOTORS
- TATA TECHNOLOGIES
- TATA AUTOCOMP SYSTEMS
- MAHINDRA
- MAHINDRA TACTORS
- MAHINDRA RESEARCH VALLEY
- MAGNA SEATING
- MAGNA STEYR
- MAGNA COSMO INTERNATIONAL
- YANFENG
- CYIENT
- GABRIEL
- JOHNSON CONTROL
- VOLVO EICHER COMMERCIAL VEHICLES LIMITED
- VARROC ENGINEERING
- THERMAX
- REYDEL
- ARAI
- ADIENT
- PLASTIC OMNIUM
- APPLUS+ IDIADA
- SIEMENS
- DASSAULT SYSTEMES
- BOSCH GROUP
- FAURECIA / FORVIA SE
- HANON SYSTEM
- HINDUJA TECH
- SATVEN
- NIELSOFT
- LEAR CORPORATION
- OLECTRA
- TATA ELXSI
- ENDURANCE SYSTEM
- VIRTUAL SIMUTECH
- SKODA INDIA
- ASHOK LEYLAND LIMITED
- BAJAJ AUTO LIMITED
- FORCE MOTORS LIMITED
- EICHER MOTORS LIMITED
- TVS MOTOR COMPANY
- HERO MOTOCORP LIMITED
- PIAGGIO VEHICLES PRIVATE LIMITED
- ROYAL ENFIELD (A DIVISION OF EICHER MOTORS LIMITED)
- MERCEDES-BENZ INDIA
- ALTEN GROUP
- QUEST GLOBAL SERVICES
- L&T TECHNOLOGY SERVICES
- VALEO SA
- MARUTI SUZUKI INDIA LIMITED
- HYUNDAI MOTOR INDIA LIMITED
- HONDA CARS INDIA LIMITED
- TOYOTA KIRLOSKAR MOTOR
- RENAULT INDIA
- NISSAN MOTOR INDIA
- VOLKSWAGEN INDIA
- FIAT INDIA AUTOMOBILES LIMITED
- KIA MOTORS INDIA
- VOLVO CONSTRUCTION EQUIPMENT INDIA
- KOMATSU INDIA
- KPIT TECHNOLOGIES LIMITED
- CATERPILLAR INDIA
- JCB INDIA LIMITED
- SAMSUNG ELECTRONICS
- LG ELECTRONICS INC.
- WHIRLPOOL CORPORATION
- HAIER GROUP CORPORATION
- ELECTROLUX AB
- PANASONIC CORPORATION
- BOSCH LIMITED
- GODREJ APPLIANCES
- IFB INDUSTRIES LIMITED
- HITACHI APPLIANCES, INC.
- AND MANY MORE...

## MASTER CERTIFICATION PROGRAM : DESIGN

	Course	Software	Duration	Intake
1	Master Certification Course in Automotive Design	CATIA V5 & NX	6 Months	25 Seats

SYLLABUS AND COURSE CREDITS						Total Credits: 120	
Sr. no	Syllabus - Theory	Theory	Oral	Sr. no	Syllabus – Product Design	Tool Test	Oral
1	Fundamentals of Design	5	5	5	Product Design in CATIA V5		10
2	Fundamentals of Thermal Engineering	5	5	5.a	Plastic Domain – Vehicle Trims / Consol / Dashboard	30	
3	Fundamentals of Manufacturing	5	5	5.b	Sheetmetal Domain – Seating System	20	
4	Fundamentals of Engineering Materials	5	5	5.c	Product Design in NX	20	

## MASTER CERTIFICATION PROGRAM : CAE

	Course	Software	Duration	Intake
2	Master Certification Course in Automotive Simulation/ Analysis	HYPERMESH & LS Dyna	6 Months	25 Seats

SYLLABUS AND COURSE CREDITS						Total Credits: 120	
Sr. no	Syllabus - Theory	Theory	Oral	Sr. no	Syllabus – Simulation / Analysis	Tool Test	Oral
1	Fundamentals of Design	5	5	5	Pre - Processing in Hypermesh		10
2	Fundamentals of FEA	5	5	5.a	Sheetmetal Domain – Seating System & BIW	10	
3	Fundamentals of Manufacturing	5	5	5.b	Plastic Domain – Vehicle Trims / Consol / Dashboard	30	
4	Fundamentals of Engineering Materials	5	5	5.c	Casting & Foam Domain – Seating Foam	10	
				5.d	Analysis in LS Dyna	20	

# PG CERTIFICATION PROGRAM

	Course	Software	Duration	Intake
3	<b>PG Certification Program in Automotive Design &amp; Analysis</b>	<b>CATIA V5 &amp; NX HYPERMESH &amp; LS DYNA</b>	<b>12 Months</b>	<b>25 Seats</b>

SEMESTER 1: SYLLABUS AND COURSE CREDITS							Total Credits: 120
Sr.no	Syllabus - Theory	Theory	Oral	Sr.no	Syllabus – Product Design	Tool Test	Oral
1	Fundamentals of Design	5	5	5	Product Design in CATIA V5		10
2	Fundamentals of Thermal Engineering	5	5	5.a	Plastic Domain – Vehicle Trims / Consol / Dashboard	30	
3	Fundamentals of Manufacturing	5	5	5.b	Sheetmetal Domain – Seating System	20	
4	Fundamentals of Engineering Materials	5	5	5.c	Product Design in NX	20	

SEMESTER 2 : SYLLABUS AND COURSE CREDITS							Total Credits: 120
Sr.no	Syllabus - Theory	Theory	Oral	Sr.no	Syllabus – Simulation / Analysis	Tool Test	Oral
1	Fundamentals of FEA	5	5	5	Pre - Processing in Hypermesh		10
				5.a	Sheetmetal Domain – Seating System & BIW	10	
				5.b	Plastic Domain – Vehicle Trims / Consol / Dashboard	30	
				5.c	Casting & Foam Domain – Seating Foam	10	
				5.d	Analysis in LS Dyna	20	
				6	Project – Design & Analysis	20	10

# Get in Touch

with our Admission Representative

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**AJEENKYA**

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**SKILL DEVELOPMENT PARTNER**

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**100% PLACEMENT OPPORTUNITIES**