



**HINDUSTHAN INSTITUTE OF TECHNOLOGY**  
**COIMBATORE - 641 032**  
**DEPARTMENT OF AERONAUTICAL**  
**ENGINEERING**



**Centre of Excellence for Computer Aided Design**



**OBJECTIVE:**

The objective of the Centre of Excellence is to advancing technical skills in Computer-Aided Design (CAD), product development, and engineering innovation. Established with a vision to bridge the gap between classroom learning and industry expectations, the centre functions as an officially authorized training center for PTC Creo, one of the world's most widely used and industry-recognized CAD platforms. The center offers a comprehensive learning environment focused on enhancing engineering competencies, digital manufacturing skills, and industrial design proficiency among students, researchers, and professionals.

**PURPOSE:**

The center provides

- Hands-On Training,
- Project Guidance,



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- Design Consultancy,
- Prototype Development, And
- Industry-Oriented Workshops.

**FACILITIES:**

The center is equipped with

- Advanced computing infrastructure,
- licensed software tools, and
- expert instructors

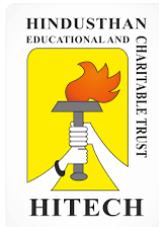
ensuring that every learner acquires relevant, employable, and globally competitive skills in computer-aided engineering and design technologies.

**TRAINING & ACADEMIC BENEFITS**

As a PTC Creo Authorized Training Center, **MACH Engineers** delivers globally aligned training that includes:

- Fundamental to advanced 3D CAD modeling
- Assembly design and motion analysis
- GD&T, drafting, and detailing as per industrial standards
- Simulation-driven product design
- Reverse engineering and design optimization
- Exposure to real-time industrial case studies
- Certification programs endorsed by industry requirements

Learners gain strong conceptual understanding along with practical problem-solving abilities. The structured training modules ensure that students evolve from basic design learners to industry-ready professionals capable of working independently on real projects.



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**INDUSTRY COLLABORATION & OUTCOME FOCUSED LEARNING**

**MACH Engineers** works closely with industry partners, research organizations, and technology providers to ensure continuous updates in training methodology and tool adaptability. The focus is not only on software learning but also on engineering thinking, manufacturability, and design feasibility. Through periodic workshops, design challenges, innovation contests, and prototype development tasks, students gain experience that enhances placement opportunities, entrepreneurial capability, and research readiness.

**TRAINING AND CERTIFICATION:**

Thirty Hours Value Added Certification course in “CREO” had been conducted between 21.07.2025 to 26.07.2025 for the benefit of Third year Aeronautical Engineering students at our college premises by Mach Engineers, Coimbatore.

The list of students attended the certification course are given below.

**CLASS: III AERO / V SEMESTER**  
**ACADEMIC YEAR: 2025-2026 / ODD SEM**

**STUDENT NAME LIST**

S.No	Register No.	Student Name	S.No	Register No.	Student Name
1	720823101001	ABINAYA.P	30	720823101032	MOHAMED KADHER I
2	720823101002	ADHIYAMAN.A	31	720823101033	MOHAMED THAMBY RIZWAN M M
3	720823101004	AKASH R	32	720823101034	MUFEETH RAHMAN M
4	720823101005	AMAL GEORGE	33	720823101035	MUKILESH M
5	720823101006	ANANI PRIYA S	34	720823101036	NAGARAJ.M
6	720823101007	ARSHAD PARVESH M	35	720823101037	NARENKARTHIK K N
7	720823101008	ASWINKUMAR A	36	720823101038	NISHANTH B
8	720823101009	ATCHAYA J	37	720823101039	RAHAMATHULLA H



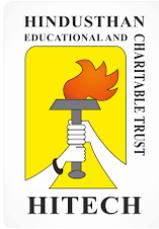
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## DEPARTMENT OF AERONAUTICAL ENGINEERING



9	720823101010	CHEENTAMIL CHEZHIAN B	38	720823101040	RAJASEKARAN A
10	720823101011	DHANANSAI U S	39	720823101041	RAMA KRISHNAN K
11	720823101012	DHANVANTH A N	40	720823101042	SACHIN S
12	720823101013	ERUSAN R	41	720823101045	SASTHA S
13	720823101014	FRANKLYN ROBERTZON A	42	720823101047	SHARMILA S
14	720823101015	GUGAN N	43	720823101048	SHIREYA K S
15	720823101016	HARIHARAN S	44	720823101049	SIMON A
16	720823101017	HARIPRIYA C	45	720823101050	SIMON JOY CHRISTOPHER X
17	720823101018	JAGADISH.J	46	720823101051	SIVACHOZHAN S
18	720823101019	KALAIYARASU S	47	720823101052	SIVAKANYA V
19	720823101020	KANAZHI R	48	720823101053	SRIDHAR G
20	720823101021	KISHORE K	49	720823101054	SURYA.S
21	720823101022	KISHOREKUMAR N	50	720823101055	THANWIN BALAJI S B
22	720823101023	KRISHNA MOORTHY M	51	720823101056	VANILAVAN.T
23	720823101025	LAIEESH EBINORE V.G	52	720823101057	VASANTHI K
24	720823101026	LOGESHWARAN K	53	720823101058	VEDHANAYAGAN G
25	720823101027	LOGESHWARAN M	54	720823101059	YASHWANTH S
26	720823101028	MAHINDRAN D	55	720823101061	ROSHINI V
27	720823101029	MANISHA N	56	720823101301	ALAGU KANNAN A
28	720823101030	MEGAVARNAN S	57	720823101501	DHARSHAN S
29	720823101031	MOHAMED DHAHA M			

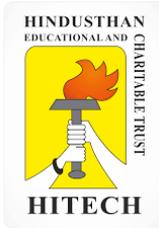


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Some of the photos and samples certificates distributed during the conduct of certification course are given below.





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**MACH ENGINEERS**  
CENTRE OF EXCELLENCE FOR COMPUTER AIDED DESIGN (CAD)  
1st Floor, Idea Lab, Hindusthan College of Engineering and Technology,  
Pollachi Highway, Coimbatore - 641 032.

 **ptc** | partner network training  **creo**<sup>®</sup>  
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This is to certify that  
**SIVAKANYA V**  
has completed 1 week value added course  
**Creo**

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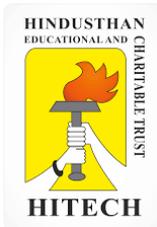
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CENTRE OF EXCELLENCE FOR COMPUTER AIDED DESIGN (CAD)  
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 Pollachi Highway, Coimbatore - 641 032.



This is to certify that  
**ASWINKUMAR A**  
 has completed 1 week value added course  
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**MACH ENGINEERS**

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 Pollachi Highway, Coimbatore - 641 032.



This is to certify that  
**ARSHAD PARVESH M**  
 has completed 1 week value added course  
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**Expert talk on “Introduction to CREO”:**

The Department of Aeronautical Engineering of Hindusthan Institute of Technology organized an **Expert talk on “Introduction to CREO” on 30<sup>th</sup> June 2025.**

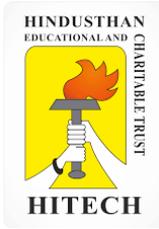
A total of 40 students from the third year Aeronautical Engineering department took part in the Expert talk. The session started at 02.00 pm with the welcome address by Dr. R. Thirumalai, Head of the Aeronautical Engineering Department.

The speaker for the Expert talk was:

Shri. Alaguraj V, Founder, Mach Engineers

	<p><b>Education</b></p> <ul style="list-style-type: none"><li>• Bachelor's degree, Aeronautical Engineering, Park College of Engineering and Technology, Coimbatore</li></ul> <p><b>Experience</b></p> <ul style="list-style-type: none"><li>• Founder, Mach Engineers</li><li>• FEA Engineer, HCL Technologies</li></ul>
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**Shri. Alaguraj V, Founder, Mach Engineers** was invited as a chief guest and delivers Expert talk on “Introduction to CREO”. He talks about core skills for creating and managing parametric models, including sketching, part modeling, assemblies, drawings, and model management. He also talks about its Key features and capabilities: Parametric and feature-based modeling, 3D modeling, Design and analysis tools, Integrated workflows, User interface, Bidirectional associativity, Common uses: Mechanical engineering: Designing and modeling parts for machinery., Automotive and aerospace: Creating and analyzing complex components for vehicles and aircraft, Industrial design: Developing consumer products and industrial



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equipment, Manufacturing: Generating toolpaths for manufacturing processes, such as subtractive or additive manufacturing.

The Expert talk ends with the vote of Thanks by Mr. M. Harish, Assistant Professor, Aeronautical Engineering Department by 04.25 pm.

Some of the photos of the Expert talk are as below:

