

REPORT

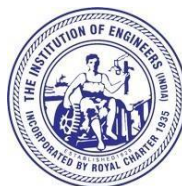
One week workshop on

Product Design using CATIA

in association with **APSSDC**

(Andhra Pradesh State Skill Development Corporation)

02nd to 07th January 2023



BY INSTITUTION OF ENGINEERS (INDIA) – ENGINEERING COLLEGE STUDENTS' CHAPTER

(Chapter Code No. 534101/SVEC/MC)

under MECHANICAL ENGINEERING DIVISION



Sri Vasavi Engineering College(Autonomous)

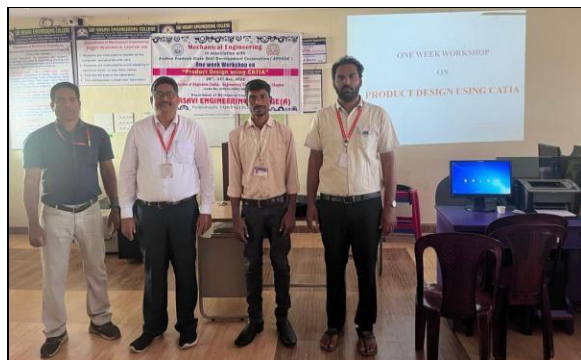
(Sponsored by Sri Vasavi Educational Society)

(Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada)

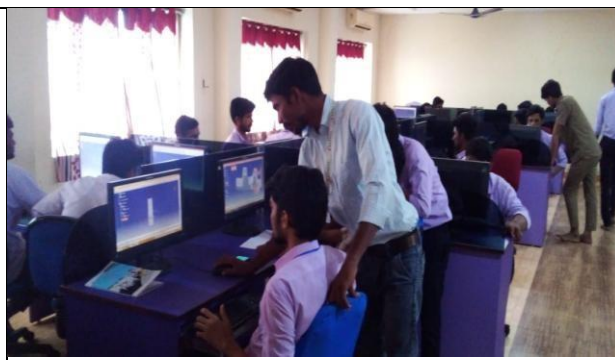
(Accredited by **NBA & NAAC** with 'A' Grade, Recognized by UGC Under Section 2(f) & 12(B))

Pedatadepalli, Tadepalligudem, W.G.Dt, A.P-534101

REPORT ON ONE WEEK WORKSHOP ON **PRODUCT DESIGN USING CATIA**



Inauguration by Dr. M.V.Ramesh HoD



Practice Session by Mr. D. Rambabu

Brief Details about the Programme:

Product Design using CATIA (Skill Oriented Course-I)

One week workshop on “Product Design Using CATIA” was conducted by the Department of Mechanical Engineering under **INSTITUTION OF ENGINEERS (INDIA)– ENGINEERING COLLEGE STUDENTS’ CHAPTER** for the students of B.Tech., III semester “B” section during **02.01.2023 (Monday) to 07.01.2023 (Saturday)** at CAD/CAM lab of Mechanical Engineering Department . Around 59 students have participated in this Workshop and understood the product design using CATIA software. They practiced the various Mechanical Engineering components using different modules namely sketcher, part, assembly and drawing.

02.01.2023 (Monday) Inaugural session (10.00AM): Mr. M.V Ramesh, Professor & HoD welcomed the dignitaries, faculty members of the department of mechanical Engineering and student participants to the event. While delivering his opening remarks he conveyed his heartfelt thanks to the management, Principal for the support and permission to conduct this event. He thanked the coordinators of the event Mr. V. Ravi Kumar and Mr. M. Chaitanya for their efforts. In his speech he explained that the students should have exposure to such hands on practice workshops to learn and visualize the products in 3D.

The technical session started from 10.15 AM onwards in two sessions per day for one week. The students were given practice session after explaining the modeling for one hour in each session.

The contents of the Workshop are:

1. 02.01.23 : Introduction to CATIA software & Interface of the software
2. 03.01.23 : Introduction to sketcher workbench, sketch creation, modifications, constraining
3. 04.01.23 : Introduction to part design, creating 3D models from 2d sketches
4. 05.01.23 : Creating 3d models by following correct tree structure, Boolean operations, applying the draft analysis to created models
5. 06.01.23 : Introduction to assembly, creating assembly for the 3d models
6. 07.01.23 : Introduction to drafting, creating drafting to the 3d models.

Glimpses of the one week workshop on "Product design using CATIA":



mka

HoD - ME

Head of the Department
Mechanical Engineering
Sri Vasavi Engineering College
TADEPALLIGUDEM-534 101