G H PATEL COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL ENGINEERING

Industrial Visit Report

Name of Industry: Aaraavi Circuits - Printed Circuit Board

Date of Visit: 02/08/2025

Faculty Coordinators: Prof. Rakesh M Patel

Class: 2nd Year EE & 3rd Year EE

Number of Visitors: 36 students + 3 Faculty Members

Department of Electrical Engineering has organized an industrial visit to Aaraavi Circuits for 2nd-year students & 3rd Year students . 36 Electrical students along with 3 faculty members visited Aaraavi Circuits - Printed Circuit Board above mentioned date.

As part of practical exposure and industry interaction for students. The visit aimed to bridge the gap between theoretical knowledge and practical implementation in the field of PCB (Printed Circuit Board) manufacturing and electronics system design.

Aaraavi circuit is well established company engaged in the design and manufacturing of single & double layer PCBs. It caters to various sectors including consumer electronics, automotive, industrial automation, and defense systems. The company follows stringent quality assurance practices and operates with high-end machines like CNC Drilling, Exposure Machines, Etching Lines, and AOI Testing systems.

During the visit, students were divided into small groups and guided through different sections of the manufacturing unit:

Design Department: Introduction to software tools used in PCB layout and schematic design.

Drilling Section: Observed automatic CNC drilling operations for multilayer boards.

Lamination & Plating: Understood the process of copper layering and surface treatment.

Etching and Solder Masking: Saw the process of unwanted copper removal and masking application.

Quality Testing & Inspection: Hands-on view of AOI (Automated Optical Inspection) and electrical testing of finished boards.

Packaging Unit: Learnt about dispatch and safe handling of electronic components.


શ્રી રામ ઇલેક્ટ્રોનિક્સ
Galaxy F15 5G


GPS Map Camera
Ahmedabad,Gujarat,India
Chharodi, Ahmedabad, Gujarat 382481, India
Lat 23.127657, Long 72.542248
08/02/2025 09:47 AM GMT+05:30
Note : Captured by GPS Map Camera

The industrial visit to Aaraavi Circuits was an enriching experience for students of the Electrical Engineering Department. It successfully achieved its purpose of providing exposure to modern industrial practices and electronics manufacturing. The knowledge gained during the visit will surely help students in their academic and professional journey.