

Jyothy Institute of Technology

Department of Mechanical Engineering

Industrial Visit Report

1.	Period:	11.01.24
2.	Industry Name and Address:	Bhavani Industries Plot No.55, KIADB Industrial Area, Sector-II, Phase-II, Bidadi. Ramanagara - 562109
3.	Industry Type:	Automotive Parts Manufacturing Facility
4.	No of Students:	27 students from 7 th Sem & 5 th sem, Mechanical Engineering
5.	Deputed Faculty member	Dr.Yogeesha C , Mr.Rakesh P

A batch of 27 Students of 7th Sem and 5th Mechanical Engineering and two Faculty members visited the M/s Bhavani Industries at Bidadi, Ramanagara Dist .on 11.01..2024. This Manufacturing unit mainly focuses on Manufacturing of Automotive and ABS products consisting of Panel Board (Dash Board) , Levers, Door cover panels, Gear lever covers , Speedometer covers , Front grills, Company Emblems and airbag related products etc.

Mr.Lokesh Reddy Asst Manager –HR, and his team addressed the students and introduced about the Bhavani Industries Manufacturing practices. Initially a short presentation was given to Students about history of company, recent developments, products and structure of work force in the company, later part students were divided into two teams and plant visit was organized.

Mr. Shanker Narayan, Admin., and his team members addressed the students and introduced about the products and Manufacturing practices. This plant Consist of different manufacturing divisions namely Case Press division, Case Finishing division, Case Coating Division, Module division and Assembly Division. Each of these sections are headed by section Incharge engineer.

Case Press division mainly manufactures watch cases (outer shell of watches) from the brass and Stainless steel billets, these optimized size billets will undergo cold press and Hot Press (Forging) process where material removing and shaping of case takes place. In this shop floor mainly 50T to 300T forge presses used.

Case Finishing Division: After Case pressing activity , now cases are ready for secondary processes like grooving, slot cutting , milling, embossing and hole drilling activity takes place.

Case Coating Division: In this division electroplating and ion plating of the case material takes place to get gold (up to 0.1 μ) and silver (up to 0.2 to 0.3 μ) coating on the surface.

Module division: Here automated turning of miniature components like gear train, balance wheel barrel, gasket, rotor gear, bezel, crown, hands etc. of the watch module are manufactured.

Assembly Division: Here finished products from case division and module divisions are brought together and assembled and quality being checked before finalizing the product.

Students had the opportunity to see real time manufacturing practices and plant had about 25 injection moulding machines, and most of the products are made of Polypropylene and Acrylonitrile Butadiene and styrene-ABS material. BI practices International standards most of the them derived from Japan Automobile Industry like Kanban System, Pattern Production System, Ryohin Jyoken ,Safety Trolley Movement, Karakuri System, Heijunka, Binbiki, Minomi Concept for part storage etc and Interestingly our Students were thought how to move within the Plant premises Like looking and saying orally –Left, right and straight and proceeding towards next destination which will ensure minimum collision and maximize safety of workers. Overall it was excellent and eye opening Visit to a industry which practices International Manufacturing Standards and even we learnt about Quality procedures.



Group Photo along with M/s Bhavani Industries Staff



Group Photo outside the premises of M/s Bhavani Industries, Bidadi Plant