



ATHARVA EDUCATIONAL TRUST'S  
**ATHARVA COLLEGE OF ENGINEERING**  
(Approved by AICTE, NAAC Accredited, DTE Recognized, Recognized by Government  
of Maharashtra  
& Affiliated to University of Mumbai - Est. 1999 - 2000)  
Academic year 2018-2019

REPORT ON INDUSTRIAL VISIT

Industrial Visit to Goa (SE)

Date: 9th Feb-13th Feb 2019

## Visit to Crompton

On 12th February 2019 we had visited Crompton Fan Industry at Bethora Industrial Estate, Goa. Mr.Sarvesh was our instructor for this Industrial visit.

Crompton is an Indian multinational company engaged in design, manufacturing, and marketing of products related to power generation, transmission, and distribution based in Mumbai. It brings you a wide variety of fans that produce the least noise leading to peaceful indoor environments. The ceiling fans are a symbol of class and sturdiness.

We found that the industry had 4 assembly lines for the ceiling fan which had a stator and a rotor. The stator used was 7FG with 16 windings whose diameter varied depending on the fan size. 18 or 14 pole stator were used. Dimensions played a crucial role because of the gap between the stator and rotor. Aluminum was used as a raw material for fan shield with highest speed of 320rpm. The rotor was embedded into top shield and was coated. While assembling, 2 lower belts were for the raw material and 1 upper belt was used for carrying assembled motor to testing room. Cost price varied from 1200-1500 while the selling price was informed to about 2500. The total assembly timing was 52sec. After the assembly the fan was tested in a silent room. If any fault found while testing then the motor will be send back to the assembly line. After completion of the testing process the fan was sent for packaging.

### Some Photographs from Industrial visit:

1. Crompton Fan Industry:





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2. Rotor of Fan:





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3. Students who visited an industry:

