



A Report on Industrial Visit at “SHREE RAM REYON” PIPODRA G.I.D.C, KAMREJ

08/03/2018



An industrial visit to **SHREE RAM RAYON**, Navi Pardi, Kamrej; was arranged for the 2nd semester students of Chemical Engineering. The visit was conducted by **Prof. Vishal U shah & Mr. Bhavin Desai** where total 53 students have been benefitted from this visit.

The main agenda for arranging this visit was to enhance the practical knowledge of the students, to relate the theoretical concepts with real time problems and solutions, and most importantly to give them the exposure to an industrial setup wherein they will be eventually working as Chemical Engineers.

Students visited SHREE RAM REYON (Textile Company) for exploring Manufacturing of Fabrics, Fabrics yarn, Dying and Printing of Fabrics, Value addition of fabric like embroidery and other hand work.



Figure Shows the Sizing machine



Figure Shows Beamer

- **Beamer:** - In this process the sized yarn comes to beamer machine for multiplication of sized yarn.
- This beam goes to weaving machine for making of grey cloth.



Figure Shows the Warping Machine

Warping: - This FDY spools are loaded on the Warping machine, which is known as Creel. This FDY spools are winded o the Jumbo beam



Figure shows the water jet machine for making cloth material

Students see whole the process of cloth making Fabric is made from two different type of yarn, which is POY and FDY. POY is used for make weft of fabric, horizontal yarn in Fabrics is known as weft. FDY is used for make warp of fabric, vertical yarn in Fabrics is known as warp.



Figure Shows the POY machine converted in fibre



Figure Shows the FDY

- After melt spinning yarn comes out from the extruder.
 - After that at the same time it is to be drawn and heat settled.
 - So that it has proper elongation maintained.
 - Than it is winded on spools.
 - Than it goes for further process.
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- All students are guided by the Company Director, Mr. Rasik bhai Patodia based on small seminar.
 - They give full introduction about company and manufacturing units, how it works?
 - They give introduction about all step by step process and students can see live process in this plant.
 - Also Students can see that how the cloths materials are made by machine?



Seminar based on company guidance by:

Mr. Pravinbhai Patodia (Director of Company)

We would like to thank Mr. Rasikbhai Patodia, Director of company; for his extended support and guidance that provided ample of opportunity to the students for exploring themselves by visiting their company. We are also thankful the companies employer, for proper guidance to our students.