

ಶ್ರೀ ಕೊತ್ತಲ ಬಸವೇಶ್ವರ ಭಾರತೀಯ ಶಿಕ್ಷಣ ಸಮಿತಿಯ  
ಸೇರ ಶ್ರೀ ತುಲಸಿರಾಮ ಗಿಲದಾ  
ನೃಪತುಂಗ ಕಲಾ, ವಾಣಿಜ್ಯ, ಮ್ಯಾನೇಜಮೆಂಟ್ ಮತ್ತು  
ವಿಜ್ಞಾನ ಪ್ರಥಮ ದರ್ಜೆ ಮಹಾವಿದ್ಯಾಲಯ  
ಸೇಡಮ್ - 585 222 - ಜಿ. ಕಲಬುರಗಿ - ಕರ್ನಾಟಕ  
ರಾಜ್ಯ - ದೂರವಾಣಿ : 08441 - 276305



SRI KOTTAL BASAVESHWAR BHARATIYA SHIKSHANA SAMITTIS  
SETH SRI TULSIRAM GILDA  
NRUPATUNGA ARTS, COMMERCE, MANAGEMENT  
& SCIENCE FIRST GRADE COLLEGE  
SEDAM - 585 222 - Dist. Kalaburagi  
Karnataka Phone & Fax : 08441 - 276305

(Permanently Affiliated to Gulbarga University Kalaburagi)

(NAAC Re-Accredited at B Grade)

E-mail : ndcsedam@rediffmail.com

ಪ. ಕ್ರ. ಸಂಖ್ಯೆ : ಶ್ರೀ ಕೊ.ಬ.ಭಾ.ಶಿ.ಸ./ನ್ಯ.ಮ./202. - 1153-1  
To,

ದಿನಾಂಕ: 29/08/2023

The principal of

Nrupatunga degree

College, Sedam.

Sub: Request letter for field visit (JOKHOTIA POLYFIBER  
COMPANY AT BATAGERA).

Respected sir,

I am Saraswati .Balappa, writing this letter on behalf of  
department of Chemistry. I am requesting that on 04/09/2023, we want to visit  
field with B.Sc students of Nrupatunga degree college sedam. So please grant  
permission to us.

Thanking you ,

Your faithfully

Dept. of Chemistry

PRINCIPAL  
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Dist. Kalaburagi, Karnataka.

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ದಿನಾಂಕ :

To,  
The Manager,  
Jokhotia Polyfiber Co.Ltd,  
**BATAGERA.TQ:SEDAM.**

Date:-04-09-2023

Sub:-Request for according your kind permission to visit your esteemed  
Polyfiber Co., for our college B.Sc. Students...Reg.

Respected Sir,

At the very outset we take this opportunity to congratulate your goodself  
and the management for the outstanding accomplishments of the Polyfiber Co.

Sir, we hereby write to submit that, our college B.Sc. students, have been  
deputed along with 10 faculty members, to undertake educational visit to your esteemed  
- Polyfiber Co. on date 04-09-2023.

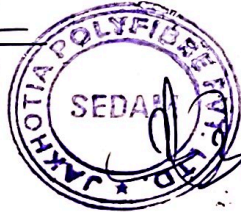
Kindly, provide them an opportunity to visit and provide them necessary  
literature of the Poly fiber Co. and oblige.

Thanking You.

Yours faithfully,

  
PRINCIPAL.  
PRINCIPAL

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# INDUSTRIAL VISIT REPORT

**Jokotia pvt ltd, Batagera**  
**(polythene bags factory )**

**Organized by,**  
**Department of chemistry**

Date:- 02/09/2023  
Day:- Saturday  
Place:- Batagera

**Name:- Akash rathod**  
**course:- Bsc 6th semester**  
**Reg.no:- S2179465**

*Seen*  
*Sub*

*taba*



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**Dist. Kalaburagi, Karnataka.**





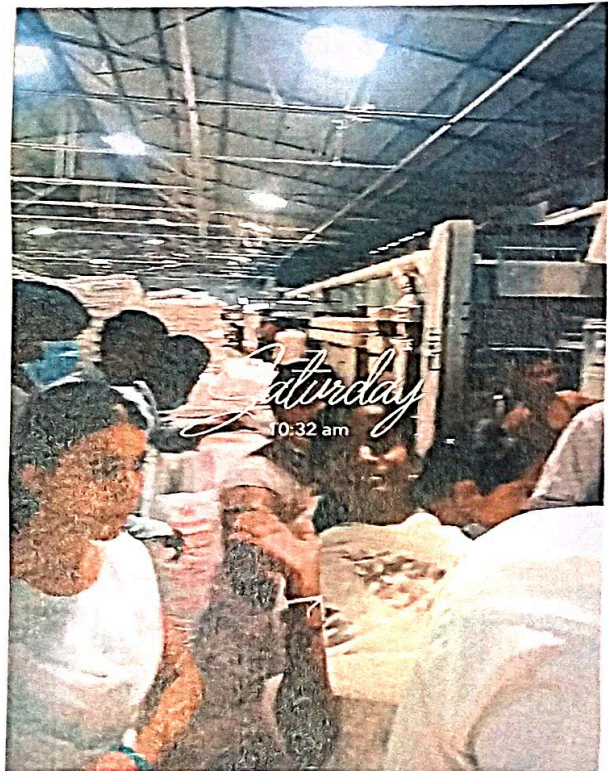


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- 1) Saraswati Mam
- 2) Divyalexmi Mam

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- # Meaning.
- # Definition.
- # characteristics.
- # preparation.
- # Applications.





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## # INTRODUCTION

Industrial visit is considered as one of the tactual methods of teaching. The man behind is we can know things practically through interaction, working methods. It gives exposure from academic point of view. Industrial visit provide us information about practical working environment.

## # Meaning of polythene.

→ polythene, also known as polyethylene or polyethene, is one of the most commonly used plastics in the world. polyethylenes usually have a linear structure and are known to be addition polymers

→ The general formula of polyethylene can be written as " $[C_2H_4]_n$ "

## # Defination of polythene

→ Any one of various light thermoplastic materials made from ethylene with properties depending on the molecular weight of the polymer.

## # Characteristics of polythene

- The mechanical strength of polythene is relatively lower than other plastics.
- The rigidity and the hardness of these polymers are also relatively low.
- polythene is known to be highly ductile. Furthermore, this plastic is known to possess very high impact strength.





- polythene is made up of nonpolar saturated hydrocarbons with very high molecular weights.
- This is believed to be the reason why the chemical properties exhibited by polyethylene are quite similar to those of paraffin.



### # preparation of polythene

→ The primary constituent of polyethylene is ethylene (an organic hydrocarbon with the chemical formula  $C_2H_4$ ; IUPAC name: Ethene) For the production of polyethylene, the typical specifications involves less than 5 parts per million of oxygen, water and other alkenes. However, other compounds can be present during the polymerization reaction as contaminants. Some commonly accepted contaminants during the production of polythene include nitrogen, methane and ethane.

*(Signature)*



Since ethene is a relatively stable molecule, its polymerization requires suitable catalysts. It is important to note that the conversion of ethylene into polyethylene is highly exothermic in nature. One of the most commonly used catalysts for the polymerization of ethylene is titanium (III) chloride (which is sometimes referred to as a Ziegler-Natta catalyst).

### # Applications of polythene

- The most important application of polyethylene is in packaging products.
- Polythene is also used in crates, trays, jugs that carry milk or fruit juices and other food packaging products.
- HDPE is also used in ropes, fishing nets, agriculture nets, and industrial fabrics.

### \* INDUSTRIAL VISIT \*

Date: 2<sup>nd</sup> September 2023

Day: Saturday.

Duration: 7 days.

Place: Jakotia Pvt. Ltd. Industri, Batagera.

The main objective of the industry visit is to provide an exposure to students about the practical working environment. They also provide students a good opportunity to gain full awareness about industrial practices.

An industrial visit to "Jakotia Pvt. Ltd, Batagera" was successfully organized by the department of Chemistry. On Saturday 2<sup>nd</sup> September 2023, 30 students of our branch visited to Jakotia Pvt, Ltd.

(Signature)



Batagera to understand how the production activities, management process, technology works and also to acquire knowledge and experience.

We all went to industry in bus then the bus left in the campus of industry and reach the venue, Batagera.

After reaching, the student were taken to introduction room and given a briefing of rules to be followed by everyone inside the company. we were divided into two batches & were escorted to assembly line by the manager of the company and briefly explained about programme.

He explained about the which raw materials are require for the manufacture of polyethene-bags and also explained the working process of machines which are used in the industry, Applications of making and work management and career option after graduation.

After visiting we have again returned to introduction room. and the manager & works or employees of that industry they have to provide us tea and Biscuits. After tea, The manager of the industry explained briefly about manufacture of polyethene bags. and which raw materials are used in the manufacture of polythene bag's and he also explained the colouring agents of the bags. and he also clarified the doubts of all the students & he answered to questions which will have the students. So that industrial visit is very very helpful for all of us. for the purpose of practical experience.

(P)



## # My personal Experience

- This trip has enabled me to gain the technical knowledge about the manufacturing of polyethylene bags. and i got the idea about the mechanism of how the machine is being put into a work, maintenance, tools or equipments.
- With industry visits, students are able to better identify their prospective areas of work in the overall organizational function. Industry visits helps enhance interpersonal skills and communication techniques. Students become more aware of industry practices and regulations during industry visits.

## # conclusion

Under the prescribed syllabus of "**CHEMISTRY**" plan were required to have report file under the subject to explore their knowledge in industrial area. It was our Great pleasure to visit polyethylene bags company visit and collect information about the polyethylene bags.

We are gladly thankful to our respected principal, of Nrupatunga first grade degree college, Sedam

and gratitude to "**SARASWATI MAM**" And "**DIVYALAXMI MAM**" for advance learning and providing such a great opportunity to make us familiar with the jakotia polyethylene bags industry visit or provide the abundant support for completion of visit report file. we have further more thanks to staff members for organizing the visit.







  
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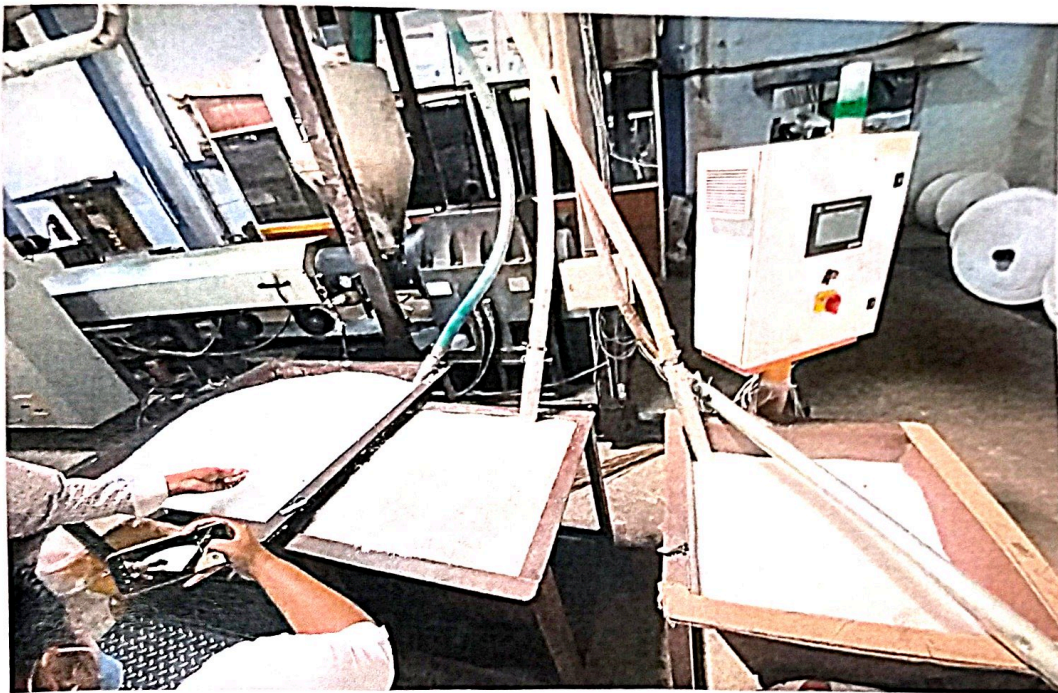




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