

Model Program Book



SHORT TERM INTERNSHIP (On-Site/Virtual)

Designed & Developed by



PROGRAM BOOK FOR

SHORT-TERM INTERNSHIP

(Onsite/Virtual)

Name of the Student : Dvara Swetha

Name of the College : SVB Govt. Degree College, Koilkuntla.

Registration Number : 21360041005

Period of Internship : From: 07-08-2023 To: 06-10-2023

Name and Address of the Intern Organization : Sri Subramanyeswara Polymers, Koilkuntla.

Rayalaseema University

2022-23 YEAR

An Internship Report on
**Innovative Printing and Labeling solutions for
Polymer Cement Bags**
(Title of the Internship)

*Submitted in accordance with the requirement for the
degree of **B.Sc. Computer Science, Semester - IV***

Under the Faculty Guide ship of

Sri A. Krishna Dasu
Department of Physics

Submitted by:

Name : Dvora Swetha

Reg.No: 21360041005

SVB GOVT. DEGREE COLLEGE
KOILKUNTALA

Student's Declaration

I, D. Swetha a student of B.Sc., M.P.Cs., Program, Reg.No. 21360041005 of the Department of Physics, SVB Govt. Degree College do here by declare that I have completed the mandatory Short-term internship from 07th August, 2023 to 06th October 2023 in Sri Subramanyeswara Polymers, Unit II, Koilkuntla under the Faculty Guide ship of Sri A. Krishna Dasu, Lecturer, Department of Physics, SVB Government Degree College, Koilkuntla.

D. Swetha

(Signature and Date)

6/10/2023

Official Certificate

This is to certify that D. Swetha of II B.Sc.,
M.P.Cs., Register No. 21360041005 has completed his/her Short-term
Internship at Sri Subramanyeswara Polymers, Unit II, Koilkuntla on Innovative
Printing and Labelling solution for polymer cement bags under my supervision as a
part of partial fulfilment of the requirement for the Degree of Bachelor of Science
in the department of Physics, S.V.B. Government Degree college, Koilkuntla.

This is accepted for evaluation.

(Signature with date and seal)



6/10/2023

Endorsements

Faculty Guided

Head of the Department

Principal

M. R. S. S.
PRINCIPAL
S.V.B. GOVT DEGREE COLLEGE
KOILKUNTALA, NANDYAL (Dt.)

Certificate from the intern Organization

This is to certify that Dvora Swetha, Register No. 21360041005 of S.V.B. Government Degree college, Koilkuntla underwent internship in Sri Subramanyeswar Polymers, Unit II, Koilkuntla from 07-08-2023 to 06-10-2023. The overall performance of the intern during his/her internship is found to be Satisfactory (Satisfactory/ Not Satisfactory).

(Authorized Signatory with Date and Seal)



Acknowledgements

First I would like to thank Sri Subramnyeswara Polymers, Unit II, Koilkuntla-518134 for giving me the opportunity to do an internship within the organization.

I would also like to thank all the people that supported and suggested me with their patience and openness they created an enjoyable working environment.

It is indeed with a great sense of pleasure and immense sense of gratitude that I acknowledge the help of these individuals.

I am highly indebted to Principal Dr. H. Rama Subba Reddy garu, for the facilities provided to accomplish this internship.

I would like to thank my Head of the Department Sri A. Krishna Dasu garu, for his constructive criticism throughout my internship.

I would like to thank Sri U. Venkateswara Reddy garu, College Internship Co-ordinator and Sri A. Krishna Dasu garu Internship Mentor, Department of Physics for their support and advice to get and complete the internship in above said organization.

I am extremely grateful to my department staff members and friends who helped me in the successful completion of this internship.

Name : D. Swetha
Regd. No. : 21360041005

Contents

Submitting the report of internship on
of polymers bag.
Internship done at Sri Subramanyeswara
Polymers, Koilkuntla (518134). The internship assigned
for 6 weeks and complete it in time.

Following are the requirements for making cement
bags :-

Raw materials of plastic bags :-

* miller * omega * piller * plastic granuals

Machinery :-

- * converting granuals to thread by melting.
- * the thread can roll into bobbin by the help of winder machine.
- * machinery to make sheets by the threads from the bobbin. The sheets can placed as a roller.
- * the plastic roller's are kept into a printing machine to print the details of company.
- * the sheets cut into required length and stitched into a complete plastic bag and it can be packed.

CHAPTER 1: EXECUTIVE SUMMARY

The internship report shall have a brief executive summary. It shall include five or more learning objectives and outcomes achieved. A brief description of the sector of business and intern organization and summary of all the activities done by the intern during the period.

The internship period was started from . the students are all into the Sri Subramanyeswara polymers, Koilkuntla.

There we are observed about making of plastic bags for cement packing and what are requirements, how the process are going on making the polymers bags in different levels.

Learning Objectives:-

All students know that polymers can be designed for a purpose and name one use of a designer polymer.

Here we communicate the speaking skills with the management skills.

The student can observe and analyse the outcomes.

Most students can describe the major methods of recycling polymers.

In our project we are going to introduce you with some of polymers, being used daily.

Learning Outcomes:- The polymers industry we have to do with knowledge and mental skills and gained. student will read and analyzed seminal works of manufacture the bags.

A detailed description of what a student must be able to do at the conclusion of the a course.

Intern organisation and Summary of all activities done by the intern during the Period:-

We are observed the intern organisation by converting granules to thread by melting by the machine.

- ⇒ The threads can roll into a bobbin of a metallic rod.
- ⇒ The bobbin are placed in the winder can make a plastic bags by using of wheel war.
- ⇒ After preparation of plastic bags can roll into a sheets.
- ⇒ The sheets can place into Printing machine.
- ⇒ Then we observed that printed sheets can string a machine for final use.
- ⇒ The bags are send to a specify company's.

CHAPTER 2: OVERVIEW OF THE ORGANIZATION

Suggestive contents

- A. Introduction of the Organization
- B. Vision, Mission, and Values of the Organization
- C. Policy of the Organization, in relation to the intern role
- D. Organizational Structure
- E. Roles and responsibilities of the employees in which the intern is placed.
- F. Performance of the Organization in terms of turnover, profits, market reach and market value.
- G. Future Plans of the Organization.

Introduction of the Organization

Sri Subramanyeswara Polymers, In corporation in 2007, is a firm engaged in the manufacturing of HDPE/PP woven sacks. The processing unit with current installed capacity of 7560 MT per annum is located at Kothkurthi in Nandyal district of Andhra Pradesh, SSP manufacturing Polypropylene (PP) bags which are majority used for packing cement and food grains, it also sells fabric sheets which is an intermediary in the process of making bags.

Performance of the organization intense of turn
over profit market and market value :-

As per audited financials for FY 2015, SSP reported an operating income of RS. 58.20 crore with profit after tax of RS. 0.49 crore as against RS. 44.41 crore of operating income with profit after tax of RS. 0.43 crore in FY 2014.

<https://www.iera.in> show Rational / Report SSP-ICRR limited.

Vision, values and Mission of organization :-

We aim to be the leading Provider of innovative PP bags that meet and exceed our customers' expectations. Every single day, Sri Subramanyaswamy Polymers strives to maintain a position of the key ingredients to their ^{success} process.

Our mission is to provide customized Polymers that meet the unique needs of our clients in various industries. We strive to achieve excellence in all aspects of our operations, and promoting sustainability.

CHAPTER 3: INTERNSHIP PART

Description of the Activities/Responsibilities in the Intern Organization during Internship, which shall include - details of working conditions, weekly work schedule, equipment used, and tasks performed. This part could end by reflecting on what kind of skills the intern acquired.

Intern assist the company with tasks set out by various teams. such as research, data capturing and working closely with different team members to learn more about the organization.

At the working conditions intern must treat the internship very seriously as you would with any other important career opportunity or call. attendance punctually, dependability, good judgment and maintaining a high quality of work.

In weekly work schedule, we include on a knowledge section, provide organization background information, give details of your work responsibilities during the internship.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	visited the factory and introduced our self with the self with the manager.	Learn how to communicate	
Day - 2	Manager explained about the company and process of the manufacturing bags.	observing the process of manufacturing bags.	
Day - 3	Observed all the machine to know the working of the machine.	Know the working of remaining machines.	
Day - 4	we observed functionality of remaining machines.	we can learn about the way of working of machines.	
Day - 5	communicate with workers discuss about the way of working	know the process of working of machines.	
Day - 6	communicate with workers discuss about the way of working process.	communicate with workers discuss about machines.	

WEEKLY REPORT

WEEK - 1 (From Dt. 9/8/23 ... to Dt. 12/8/23)

Objective of the Activity Done:

Visited the factory and know all the process of machinery.

Detailed Report:

All the students of internship visited the Sri Subramanyeswara Polymers factory and requested permission with the manager to complete our internship in that factory by support of employees, of the factory.

Manager accepted and give permission to complete our internship in the factory with their co-operation.

Observed all the machineries to know the functionality of the every machine contacted with the workers of the factory to know the process of the manufacturing cement bags and they have explained clearly.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	The pp fabric sheet can move into cooling water path.	We observe can move into cooling water path which is fabric sheets.	
Day - 2	The sheet can cut into required width to form threads.	We learn the cutting sheet into the threads by blades.	
Day - 3	The colted threads can roll the machine to reach a bobbin place.	We see the threads to reach the bobbin place.	
Day - 4	By making of fabric sheets the waste fabric is comes out.	Observing that the waste fibre in comes out after making pp sheets.	
Day - 5	The waste fibre can blow the blower pipe	After the waste fibre it can blow by the blower pipe.	
Day - 6	Through the blower pipe it can store a separate room to recycle it.	We observed their the waste can store separate for re-use.	

WEEKLY REPORT

WEEK - 2 (From Dt. 14/2/23.. to Dt. 19/2/23)

Objective of the Activity Done:

Cutting sheets into yarn.

Detailed Report:

The screw extruder the liquid plastics to the ~~mouth~~ mod mouth with adjustable length and thickness as required and plastic film is formed through the forming cooling water path.

Then the film enters to the cutter shaft to slit into the require width, the yarn goes, through a heater to be stabilize and then put to the winding.

In the process cutting yarn, the fibre waste of the plastic film are removed by suction, cut into small pieces and returned to the extruder.

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	We have alerted to observe making of PP fabric sheets by melting plastic granules.	Making of fabric sheets from granules.	
Day - 2	Cutting fabric sheets into yarn by using yarn forming device.	Converting plastic sheet into yarn ribbons.	
Day - 3	Cutting fabric sheets into yarn by using yarn forming device.	Converting plastic sheets into yarn ribbons.	
Day - 4	Cutting fabric sheets into yarn by using yarn forming device.	Converting plastic sheets into yarn ribbons.	
Day - 5	Cutting fabric sheets into yarn by using yarn forming device.	Converting plastic sheets into yarn ribbons.	
Day - 6	Cutting fabric sheets into yarn by using yarn forming device.	Converting plastic sheets into yarn ribbons.	

WEEKLY REPORT

WEEK - 3 (From Dt. 11/9/23.. to Dt. 16/9/23)

Objective of the Activity Done:

Observed materials used to make bags.

Detailed Report:

Depending on the different purposes of use, cement bags manufacturers can create it from different materials, But the most common cement packing bag material is polypropylene, plastic.

Most of cement bags currently used in market are made from polypropylene plastic.

Following are the materials for the plastic cement bags.

- * millor
- * omega
- * Polypropylene.

ACTIVITY LOG FOR THE FOURTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	The bobbins can place by loom stand.	We observed that the bobbins can place loom stand.	
Day - 2	Loomstand can converted to capacitor.	We see the loomstand it can connected to capacitor.	
Day - 3	From there we can see the wheel was to weave the threads.	We have to learn that the weaving of threads by wheel.	
Day - 4	The weaved threads can make fabric sheet.	The fabric sheet can made by weaved threads.	
Day - 5	The fabric sheet can roll by roller.	We observed the sheet can roll by roller.	
Day - 6	After that it's placed the separate by roller.	We learn the roller can placed by separately.	

WEEKLY REPORT

WEEK - 4 (From Dt. 18/9/23. to Dt 23/9/23)

Objective of the Activity Done:

Yarn rolls are put into circular.

Detailed Report:

Loom to weave into fabric tubes.

The PP yarn are put into the shuttle circular loom to weave into PP fabric tubes to the PP fabric winding machine.

The PP fabric roll is installed by the forklift truck on the film coating machine, the PP fabric sheet is coated with a thickness of 30 PP plastic to increase the bond of moisture proof fabric roll of PP fabric coated and roll.

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	the cutting threads can roll into bobbins.	we learn thread can roll into bobbins.	
Day - 2	the rollers can spread by winding machine.	we observed that how to winding the bobbins.	
Day - 3	the winder can make a bobbins.	the bobbins can make by the help of winder.	
Day - 4	the bobbins are placed in an single row nearly 264, bobbins.	we observed that the bobbins are rolled in 264, in a single stand.	
Day - 5	the bobbins can roll the threads.	we learn the threads to roll the bobbins.	
Day - 6	the rolled bobbins can placed into further process.	the bobbins can place into next process.	

WEEKLY REPORT

WEEK - 5 (From Dt. 25/9/22 to Dt. 30/9/22)

Objective of the Activity Done:

The cutting threads are rolled into bobbins.

Detailed Report:

The cutting threads are rolled into bobbins by using winding machine.

All the bobbins are placed into booming stand to make the sheet which is connected to the starting machine.

Sheets are rolled at required measurement and that sheet can roll into the shuttle circular loom.

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	printing process of the details of product and company on the plastic sheets.	learned how to print details on the bags.	
Day - 2	printing process of the details of product and company on sheets.	learned how to print details on bags.	
Day - 3	cutting sheets into required length & width of the bag.	learned how the machine cutting.	
Day - 4	cutting sheets into required length and width of the bag.	learned how the cutting machine works.	
Day - 5	after cutting of sheets stitching of bags.	stitching of bags using machine.	
Day - 6	after cutting of sheets stitching of bags.	stitching of bags using machine.	

WEEKLY REPORT

WEEK - 6 (From Dt..2/10/23.. to Dt 7/10/23)

Objective of the Activity Done:

Observe and learn things.

Detailed Report:

—After the printing process, on the first day of the 6th week all the batch students are attended at the company to observe and learn things, after the printing process.

After completion of the printing the rolls of the sheets will be connected to cutting machine to cut the sheets of required length and width.

After cutting the sheets, the machine with the machine width send that sheets to stitch that sheet to make the bags for that bags while stitching the bags opened at one side. To fill the materials. This is the last step of making cement bags.

CHAPTER 5: OUTCOMES DESCRIPTION

Describe the work environment you have experienced (in terms of people interactions, facilities available and maintenance, clarity of job roles, protocols, procedures, processes, discipline, time management, harmonious relationships, socialization, mutual support and teamwork, motivation, space and ventilation, etc.)

While doing our internship we have experienced so many things.

- * It was great experience to me, while interacting with the employees of the industry. I have learned a lot of new things about industry environment and nature of work in different levels manufacturing process.
- * The industry provide us good opportunity by facilitating to learn the manufacturing of bags in different levels, and allowed us to stay in the industry from 10:00 AM to 5:00 PM during working days.
- * They were explained the duties and responsibilities of the employees like manager, Asst manager, HR supervisor clerk and machine operators.
- * Each and every employee of the industry doing their job as per the industry protocols like duty timings.
- * All the staff are doing their work together in friendly manner and also supported us well while doing our internship.

Describe the real time technical skills you have acquired (in terms of the job-related skills and hands on experience)

In our internship we have acquired lot of technical skills, mentioned below:

- * Time management.
- * Functionality of the machines is different levels.
 1. Mixing and mulling the raw materials to make the fabric sheets.
 2. Fabric sheet cutting machine to make yarn.
 3. How work with looming machine to make yarn rolls.
 4. Functionality of the weaving machine to prepare the sheets by weaving the yarn.
 5. Learned technical features of stitching and cutting machine.
 6. Observed and Practiced on the Printing machine to print the details of products on the cement bags.

Describe the managerial skills you have acquired (in terms of planning, leadership, team work, behaviour, workmanship, productive use of time, weekly improvement in competencies, goal setting, decision making, performance analysis, etc.

Leadership :- Leadership skills are key to successful management, being an effective leader means guiding a team. To achieve the company's objectives and contributing to a positive, productive work environment.

Project Management :- Project management is the process of leading and organizing a team to complete a project within a specific time frame.

Communication :- Being able to communicate effectively and efficiently across diverse teams, through verbal and written exchanges, is a key management skill.

Planning :- Managers are required to think ahead to ensure the current activities and projects align with overall business goals. Planning ahead and talking the initiative to brainstorm for the future.

Problem Solving :- Finding solutions to problems is a skill needed in nearly every job. Teams need leaders who are able to resolve issues creatively, using any resources available to approach & tackle them successfully.

Negotiation :- Using their interpersonal and communication skills a good problem solver influences others and convinces them to make an evidence-based decision. It is a management skill that demonstrates ability in solving.

Describe how you could improve your communication skills (in terms of improvement in oral communication, written communication, conversational abilities, confidence levels while communicating, anxiety management, understanding others, getting understood by others, extempore speech, ability to articulate the key points, closing the conversation, maintaining niceties and protocols, greeting, thanking and appreciating others, etc.,)

Oral Communication :- I learned oral communication skills in the industry while doing internship, sharing knowledge and discuss with team members and communicate with industry employees.

Written Communication :- I have learned written skills with the experience of writing reports of the every day activity and logs.

Understanding Skills :- Understanding skills is proficiency developed through training or experience. A skill is a thing you can do.

It is basis of 'I can do' statements and it is demonstrated and assessed easily in formal learning.

Skills :-

- * Topic knowledge is not necessary, but the way you approach is matters.
- * Think first then speak.
- * Remain calm and compose.

Describe how you could enhance your abilities in group discussions, participation in teams, contribution as a team member, leading a team/activity.

In group discussion I may enhance my skills to participate in group discussion, how to behave and contribute in group about the topic.

How much importance need to give to the group objective as well as my opinion listen to view points of others and how openly in need to express my thoughts.

The aspect which make up a group discussion verbal communication and non-verbal communication.

While participating in group discussion with team, we should be aware of the topic which is discussion at the time.

Required Skills for GD :-

- * communication skills
- * interpersonal skills
- * leadership skills
- * presentation skills
- * Team building skills.

Describe the technological developments you have observed and relevant to the subject area of training (focus on digital technologies relevant to your job role)

Some of the latest advancements in printing:-

High-Speed Printing:- Many digital printing systems can now print at speeds that are comparable to traditional offset printing systems, making them suitable for high-volume printing applications.

Variable data printing:- Digital printing allows businesses to produce customized products on demand, using variable data printing techniques to personalize each item with unique text, images, or other content.

3D Printing:- Some digital printing systems can produce 3D printed objects, allowing business to produce customized products in a variety of shapes and sizes.

Printing on non-traditional materials:- Digital printing technology has made it possible to print on a wide range of materials, including plastics, metal, and fabric, opening up new opportunities for business in various industries.

**Student Self Evaluation of the Short-Term
Internship**

Student Name: Durga Swetha

Registration No: 21360041005

Term of Internship: From: 07/08/2023 To: 06/10/2023

Date of Evaluation:

Organization Name & Address: Sri Subramanyeswara Polymers,
Kallakurthi

Please rate your performance in the following areas:

Rating Scale: Letter grade of CGPA calculation to be provided

1	Oral communication	1	2	3	4	5✓
2	Written communication	1	2	3	4	5✓
3	Proactiveness	1	2	3	4	5✓
4	Interaction ability with community	1	2	3	4	5✓
5	Positive Attitude	1	2	3	4	5✓
6	Self-confidence	1	2	3	4✓	5
7	Ability to learn	1	2	3	4	5✓
8	Work Plan and organization	1	2	3	4✓	5
9	Professionalism	1	2	3	4	5✓
10	Creativity	1	2	3	4✓	5
11	Quality of work done	1	2	3	4	5✓
12	Time Management	1	2	3	4	5✓
13	Understanding the Community	1	2	3	4✓	5
14	Achievement of Desired Outcomes	1	2	3	4✓	5
15	OVERALL PERFORMANCE	1	2	3	4	5✓

Date: 06/10/2023

D. Swetha
Signature of the Student

Evaluation by the Supervisor of the Intern Organization

Student Name: D. Swetha

Registration No: 21360041005

Term of Internship:

From: 07/08/2023 To: 06/10/2023

Date of Evaluation:

Organization Name & Address: Sri Subramanyeswara polymers, koilkundla

Name & Address of the Supervisor
with Mobile Number :

Please rate the student's performance in the following areas:

Please note that your evaluation shall be done independent of the Student's self-evaluation

Rating Scale: 1 is lowest and 5 is highest rank

1	Oral communication	1	2	3	4	5 ✓
2	Written communication	1	2	3	4	5 ✓
3	Proactiveness	1	2	3	4	5 ✓
4	Interaction ability with community	1	2	3	4	5 ✓
5	Positive Attitude	1	2	3	4	5 ✓
6	Self-confidence	1	2	3	4 ✓	5
7	Ability to learn	1	2	3	4	5 ✓
8	Work Plan and organization	1	2	3	4 ✓	5
9	Professionalism	1	2	3	4	5 ✓
10	Creativity	1	2	3	4 ✓	5
11	Quality of work done	1	2	3	4	5 ✓
12	Time Management	1	2	3	4	5 ✓
13	Understanding the Community	1	2	3	4 ✓	5
14	Achievement of Desired Outcomes	1	2	3	4 ✓	5
15	OVERALL PERFORMANCE	1	2	3	4	5 ✓

Date: 06/10/2023

Signature of the Supervisor





EVALUATION

MARKS STATEMENT
(To be used by the examiner)

INTERNAL ASSESSMENT STATEMENT

Name of the Student: D. Swetha

Programme of Study: B.Sc

Year of Study: 2023 - 2024

Group: MPCs

Register No/H.T. No: 21360041005

Name of the College/University: S.V.B. Govt Degree college, Raayalaseema University

Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	25	24
2.	Internship Evaluation	50	48
3.	Oral Presentation	25	23
	GRAND TOTAL	100	95

Date: 7/10/2023


Signature of the Faculty Guide

Certified by

Date: 7/10/2023


Signature of the Head of the Department/Principal
PRINCIPAL
Seal: **S.V.B. GOVT DEGREE COLLEGE**
KOILKUNTALA, NANDYAL (Dt.)



ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION

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