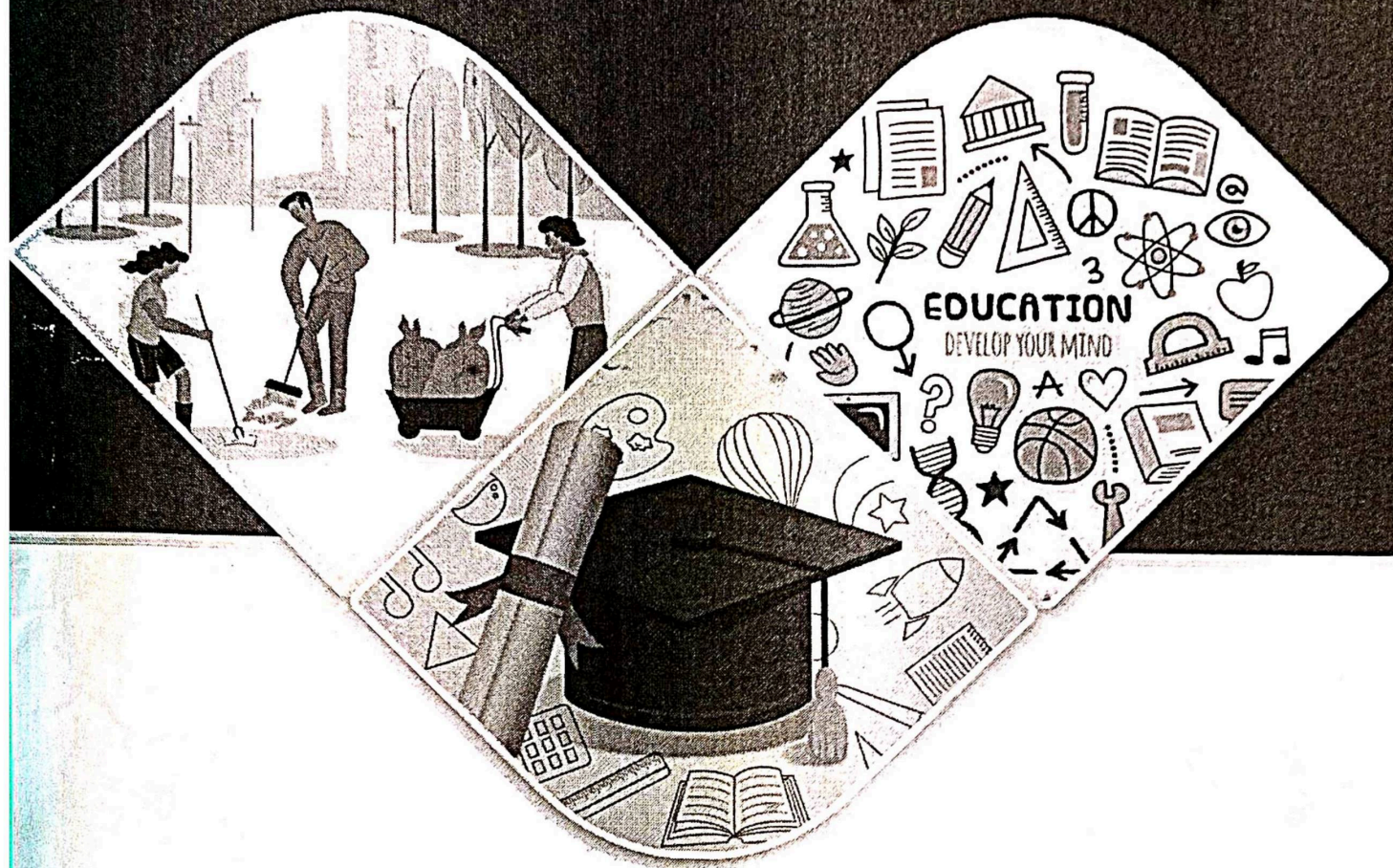


Model Program Book



SEMESTER INTERNSHIP

Designed & Developed by



**ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION**

(A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH)

8	WorkPlanandorganization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5

PROGRAMBOOKFOR SEMESTERINTERNSHIP

Name of the Student: Chaitanya Krishna

Name of the College: Government Degree College, Radampeta

Registration Number: 2160300540011

Period of Internship: From: 01/01/24 To: 01/08/24

Name & Address of the Intern Organization: DIXON TECHNOLOGIES

PVT. LTD., 1ST FLOOR, ADIPATI ROAD, P. TIRUPATHI

Venka **University**

2024 YEAR

An Internship Report on

DIXON TECHNOLOGIES PVT LTD., TIRUPATHI

(Title of the Semester Internship Program)

Submitted in accordance with the requirement for the degree of

III B.Sc MSCS

Under the Faculty Guidance of

Dr. M. Jaya Chandra

(Name of the Faculty Guide)

Department of

maths

(Name of the College)

Submitted by:

C. sai Narasimha

(Name of the Student)

Reg.No: 216030054004

Department of statistics

Environment Degree College, Radham Pet

(Name of the College)

Instructions to Students

Please read the detailed Guidelines on Internship hosted on the website of AP State Council of Higher Education <https://apsche.ap.gov.in>

1. It is mandatory for all the students to complete Semester internship either in V Semester or in VI Semester.
2. Every student should identify the organization for internship in consultation with the College Principal/the authorized person nominated by the Principal.
3. Report to the intern organization as per the schedule given by the College. You must make your own arrangements for transportation to reach the organization.
4. You should maintain punctuality in attending the internship. Daily attendance is compulsory.
5. You are expected to learn about the organization, policies, procedures, and processes by interacting with the people working in the organization and by consulting the supervisor attached to the interns.
6. While you are attending the internship, follow the rules and regulations of the intern organization.
7. While in the intern organization, always wear your College Identity Card.
8. If your College has a prescribed dress as a uniform, wear the uniform daily, as you attend to your assigned duties.
9. You will be assigned a Faculty Guide from your College. He/She will be creating a WhatsApp group with your fellow interns. Post your daily activity done and/or any difficulty you encounter during the internship.
10. Identify five or more learning objectives in consultation with your Faculty Guide. These learning objectives can address:
 - a. Data and Information you are expected to collect about the organization and/or industry.
 - b. Job Skills you are expected to acquire.
 - c. Development of professional competencies that lead to future career success.
11. Practice professional communication skills with team members, co-interns, and your supervisor. This includes expressing thoughts and ideas effectively through oral, written, and non-verbal communication, and utilizing listening skills.
12. Be aware of the communication culture in your work environment. Follow up and communicate regularly with your supervisor to provide updates on your progress with work assignments.

13. Never be hesitant to ask questions to make sure you fully understand what you need to do your work and to contribute to the organization.
14. Be regular in filling up your Program Book. It shall be filled up in your own handwriting. Add additional sheets wherever necessary.
15. At the end of internship, you shall be evaluated by your Supervisor of the intern organization.
16. There shall also be evaluation at the end of the internship by the Faculty Guide and the Principal.
17. Do not meddle with the instruments/equipment you work with.
18. Ensure that you do not cause any disturbance to the regular activities of the intern organization.
19. Be cordial but not too intimate with the employees of the intern organization and your fellow interns.
20. You should understand that during the internship programme, you are the ambassador of your College, and your behavior during the internship programme is of utmost importance.
21. If you are involved in any discipline related issues, you will be withdrawn from the internship programme immediately and disciplinary action shall be initiated.
22. Do not forget to keep up your family pride and prestige of your College.

-----<<@>>-----

Student's Declaration

I, C. Sai Nazasimha a student of III B.Sc (mssc),
216030054004 Program, Reg. No. 216030054004 of the
Department of statistics College do hereby declare that I have
completed the mandatory internship from 01/02/2024 to 01/05/2024
DIXON PVT LTD in (Name of
the intern organization) under the Faculty Guidance of
Dr. M. JAYA Chandra (Name of the Faculty Guide), Department of
maths,
Government Degree College, Rajampet (Name of the College)

C. Sai Nazasimha
(Signature and Date)

Official Certification

This is to certify that C. Sai Nijasimha (Name of the student) Reg.No. 216030054004 has completed his/her Internship in DIXON RUT LTD (Name of the Intern Organization) on Production LCM (Title of the Internship) under my supervision as a part of partial fulfillment of the requirement for the Degree of III B.Sc (mcs) in the Department of Statistics, BDC Rajamketa (Name of the College).

This is accepted for evaluation.

(Signatory with Date and Seal)

Endorsements

Faculty Guide

Head of the Department

Principal

Certificate from Intern Organization

This is to certify that C. Sai Akashintra (Name of the intern)
Reg.No 216030054004 of GRDC, Rajahmundry (Name of the
College) underwent internship in Dixon Technologies Pvt Ltd (Name of the
Intern Organization) from 01/02/2024 to 01/05/2024

The overall performance of the intern during his/her internship is found to be
Satisfactory (Satisfactory/Not Satisfactory).

Authorized Signatory with Date and Seal

CERTIFICATE OF INDUSTRIAL TRAINING

This certificate is presented to Mr. / Miss. C.Sai Narasimha
PIN No. 141364 Quess corporation Ltd for successful
completion of the Industrial Training on "Production FA" at DIXON Technologies (I) Limited,
Vikruthamala, Yerpedu Mandal, Near Tirupati Airport, Tirupati District Andhra Pradesh,
Training from 01/02/2024 to 31/04/2024.

For QUEST Corp Limited


Authorized Signatory
Mr. Lakshmi Narayan S
Managing Director

Dixon

The brand behind brands

Dixon Technologies (India) Limited

Acknowledgements

First of all we would like to thank our college principal sir Dr. B. Purushottam sir for showing us a way to do Internship in such a reputed company. We would like to thank Dixon Company HRI and contractors for giving the opportunity to do Internship in the company.

It is immense pleasure that we would like to express our gratitude to the leader purushottam and training operator Ashwika for guiding us in the every step of Internship work. Their guidance throughout the program helped us to greater extent for improving all the facilities and skills as needed for project.

It is with thanks to Mr. Jyoti (Tr. Training operator) in second shift who guided me moral support and doing the Internship work very well.

We are very much grateful to Dr. B. Purushottam sir, principal of our college for providing a great support and for giving us the opportunity of doing project work.

We are thankful to our college management for providing all facilities in time to us for completion of our project.

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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.

This report is a detailed overview of my internship journey at Dixon Technologies Private Limited in Tirupathi. During my internship, I have learnt a lot about communication and working experience with the company. manufacturing, International selling and its different applications. I have learnt its work in TV manufacturing product. It not only ended me professionally but also helped me grow personally as well. My contribution was appreciated by my supervisor and other members of the department. The career path I would be suited for myself is quite influenced from my internship. However, this report has been in this make it meaningful by reflecting my work at the Dixon Technologies Private Limited.

I have summarized my overall experience, with my learning and challenges faced as an intern.

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.

A. Introduction of the organization

Dixon Technology has established a manufacturing company in Tirupathi ~~Andhra Pradesh~~ Andhra Pradesh, India. The company spans over 2 lakh square feet and is equipped with state-of-the-art of infrastructure to manufacture consumer electronic and lighting products.

The company has a production capacity of up to 1 million LED TVs and a million CCTVs per year. The company plans to manufacture a wide range of products of this facility including washing machines, air conditioners, applications.

B. Vision, Mission and Values of Organization

Dixon Technology is an Indian multinational company that specializes in electronics manufacturing services.

Vision :

To be a leading technology, manufacturing and services company in India and beyond ~~providing~~ providing innovative and quality products and services to customers worldwide.

Mission

To continuously Innovate and enhance our Product series to meet the evolving needs of our customers while maintaining the highest standards of quality and reliability.

Values

- * Customer First - our customers are the heart of everything we do. we strive to exceed expectations.
- * Excellence - we continuously improve our processes, products and services to achieve the highest quality.
- * Integrity - we believe in doing the right thing always. honesty - transparency.
- * Innovation - we encourage creativity and Innovation in all areas of our business.
- * Policy of organization in relation to the international

scope of the key policies of - Dixon Technology as Code of conduct, Health safety environment policy.

Future plan of organization.

Dixon Technologies is a leading electronic manufacturing and solutions provider in India, and the company has been expanding its operations in recent years. Some of its future plans include.

Diversifying its product portfolio, expanding its manufacturing capabilities, Increasing its focus on export. Investing in digital transformation. the company has set future goals to uplift its brand.

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.

In the Intern organization (Dixon) during Internship, we have done a lot of many activities such as quality control and testing, Research and Development, Logistics and supply chain management, manufacturing and assembling electronics products and sales and marketing. The working condition has a code of conduct that emphasizes employees' safety and well-being, and the company encourages their continuous growth and learning. The company also offers competitive salaries and benefit packages to attract and retain talented employees.

Additionally, Dixon Technologies has implemented various measures to ensure that its employees working in a safe and secure environment.

The weekly work schedule is employee working in manufacturing and production roles may have fixed shift or rotating shift, which may include day, evening (or) night shift depending on the production requirements. These employees may work 8-10 hours per day, depending on the company's policies and regulations.

The actual work schedule may vary depending on specific job role and business requirements, but technologies may also differ. Arrangements, such as telecommuting, or flexible hours, to provide life with a better work-life balance.

The skills that "new graduates" require a solid foundation in electronics engineering (or) electronics is essential for working in this industry.

"Communication Skills" Effective communication skills are vital and which are crucial for success in any job, in the electronic manufacturing industry. "problem solving skills", electronic manufacturing. The complex tasks that involves multiple stages and problems manufacturing involves precision and accuracy in every aspect of the job. "Adaptability" the electronic manufacturing are always being introduced, being and get to change. can be valuable to this industry.

The actual work schedule may vary depending on specific job role and business requirements, but technologies may also offer flexible hours, to provide life with a better work-life balance.

The "skills the intern acquires" technicians A solid foundation in electronics engineering (or) all fields is essential for working in this industry.

"communication skills" Effective communication skills both verbal and written are crucial for success in any job, in the electronics manufacturing industry. "problem solving skills", electronics manufacturing is a complex process that involves multiple stages and problems manufacturing occurs possible and also in every aspect of the job. "Adaptability" the electronics manufacturing are always being introduced. Being and open to change. can be valuable to this industry.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person in Charge Signature
Day-1	I visited the company and introduced myself to the contractor	Introduction	
Day-2	Today contractor introduced me to the HR manager and did some paperwork to join company	meeting with HR	
Day-3	Today supervisor explained the whole manufacturing process of LED TV.	know about the manufacturing process	
Day-4	In this company, the raw materials are imported from different countries.	Importing of raw materials	
Day-5	Today we saw the entire company and in this company there are sheets.	visiting of shops	
Day-6	In that a sheet is used to bore and sheet are used for manufacturing purpose	Logistics of production.	

WEEKLYREPORT
WEEK-1(FromDt 01/02/24 toDt 07/02/24)

Objective of the Activity Done:

Training Process

Detailed Report:

In this first week I visited the company Dixon Private Ltd. In this company they are providing contractor for Internship program. The contractor that he will introduce himself to us and they will introduce self to us and they will explain that how to start the Internship program in the company formation. Finally I did some paper work to join in the company for my semester Internship program. We visited the entire company. We know that the Dixon company was manufacturing TV. In that meeting they will explain the safety problems information and also the policy for employees. We can know that the maximum salary the provides for Employee.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-1	In that 7 sheds, different sheds manufacture different types of company TVs	Different types of company TVs	
Day-2	I visit the shop room that the imported raw materials are stored in there	About the store.	
Day-3	To know the motive of the organization	Invention of the organization on	
Day-4	To know the provide of two production	How to produce the goods	
Day-5	To produce the goods how to convert raw materials in the machinery	To insert the raw materials in the machinery	
Day-6	To convert the raw materials into goods	How to convert the raw materials into finished goods	

WEEKLYREPORT
WEEK-2 (From Dt 08/02/24 to Dt 14/02/24)

Objective of the Activity Done:

Information about Organization

Detailed Report:

This week we make report for the company structure. In this entire company they are 9 sheds. In that sheds, some sheds used for manufacturing process and some sheds are used for storage. In this company they are manufacturing different type of company TVs. In some sheds they are store the products to Export, the products are transfer to transfer, the products are transfer in trucks. We visit the store room also, in that ~~store~~ ^{store} room that the Imported raw material are stored in there and detailed know that in Imported different place and collected the raw material into products. know the motives of the organization.

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-1	Senior staff are explaining about the company and the working process.	Class for the working method of the company	
Day -2	In this company they are manufacturing two TV's	manufacturing products.	
Day-3	1) Sony, 2) Lloyd, 3) Samsung, 4) VU, 5) Hisense, 6) Toshiba, 7) Hisense, 8) Dell, 9) Panasonic	manufacturing different company TV's.	
Day-4	They are providing life insurance for the employee for any accident	soft problems that is providing in the company	
Day-5	In this manufacturing process the raw materials are imported from different places.	Importing process.	
Day-6	Imported goods are converted into final products and products are exported to other states/countries.	Export process	

WEEKLY REPORT
WEEK-3 (From Dt. 15/02/24 to Dt. 21/02/24)

Objective of the Activity Done:

Types of company TV, manufacturing

Detailed Report:

This week we know about the T.V companies and working process. In this company. They are manufacturing LED TV's. Different types of companies are contracted with the Dixon company to manufacture these T.V's.

In this company, there are T.V. companies

They are:

- 1) M.I 2) LLOYD 3) Samsung 4) VU, 5) Philips
- 6) Toshiba 7) Hisense 8) Panasonic 9) DELL

These companies are contract with the Dixon company for some particular years.

The facilities that company provided to the employees like food facilities, health facilities and some policy for any accident (death). This makes the employees to work properly.

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-1	T.V Panel typically refers to the display screen of a television. The Panel is two part of the FC	Panel Deflection	
Day-2	TV Panel comes in various standardizing form small displays suitable	Range of T.V Panel	
Day-3	TV Panels will come in different sizes that are 32, 43, 55, 65, 75, 100 inches	sizes of TV Panel	
Day-4	T.V Electronic components ACsments.	Assembling	
Day-5	The back cover of a T.V is attached using screws of chips	Fixing of Back cover	
Day-6	Manufactures will typically have specific activity control provide.	Fixing of Back cover.	

WEEKLY REPORT

WEEK-4 (From Dt. 22/02/24 to Dt. 28/02/24)

Objective of the Activity Done:

Inspection of T.V. Panel.

Detailed Report:

This week we know that the T.V panel inspection. T.V Panel typically refers to the display screen of a Television, physical inspection may involve looking for defects in the panel, such as scratches, cracks (or) other damage. The panel must be free from any physical imperfections that may affect performance (or) appearance.

Functional inspection involves testing the panel's display quality. It includes testing panel's display quality, brightness, color accuracy, contrast ratio, and other performance metrics. The panel must meet certain standards for each of these metrics in order to meet the final product's most expectations.

Overall T.V panel inspection is an important part of the manufacturing process to ensure that the final product meets quality standards and provides a high-quality viewing experience.

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-1	The T.V class's will be prepared for the power chord attachment.	Preparing the T.V classing	
Day-2	Once the classing is ready, the power chord will be connected to the T.V	connecting the power chord	
Day-3	After the power chord is attached the connecting to ensure	Testing the connecting	
Day-4	Once the power chord connecting have been tested & verified the T.V class's will be up	Finalising the Assembly	
Day-5	Depending on how the T.V is fixed in the input side you may need different tools	using proper tools for fixing	
Day-6	T.V physically fixed in input side	T.V. Input side	

WEEKLYREPORT

WEEK-5 (From Dt 21/02/24 to Dt 04/03/24)

Objective of the Activity Done: Preparation of different classes

Detailed Report:

To prepare a T.V classis, the T.V Clappers will need to be prepared for the Power chord Attachment. Once the classis is ready the Power chord will be connected to the T.V. After the power chord is attached to connecting is needed to be tested to ensure.

Step:

* Ensure that the T.V set is plugged into a power source and turned on

* Use the remote control to navigate to the desired T.V Channel (or) program.

Some tips for a better T.V. viewing experience.

* Choose a comfortable viewing location and adjust the lighting to reduce glare.

* Take breaks if watching for an extended period to avoid eye strain.

* Experiment with different picture and sound settings to find the best configuration for your preference.

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-1	The Rule on correction of Aging is 15 minutes	Aging	
Day-2	The aging process is used to verify the problems and solve them	Verifying problems in Aging	
Day-3	Tenting is another important process in manufacturing of T.V's	Tenting	
Day-4	HDMI is the High Definition multimedia interface it is on all digital equipment	Tenting HDMI High Definition multimedia Interface.	
Day-5	Local Area Network is a computer that covers a small area typically single company	Tenting LAN	
Day-6	During T.V manufacturing radio frequency bending is used. magnetic radiation	Tenting R-F	

WEEKLYREPORT

WEEK-6 (From Dt 05/03/24 to Dt 11/03/24)

Objective of the Activity Done:

Aging in Power on condition

Detailed Report:

Aging is an important process in T.V manufacturing that involves testing the TV Panels and components to ensure the quality on the aging process, the TV panel and components are subjected to various tests. such as temperature and humidity variation, to simulate real-world usage conditions, this helps to detect any issues that may arise over time and ensure that the T.V's are durable and reliable.

The aging process can also help to improve the overall quality of T.V's by identifying and correcting any defects during the testing process, manufacturers, monitor, the number of callbacks, complaints and returns.

Overall, the aging process is a crucial step in T.V manufacturing that helps to ensure that the manufacturing that helps to ensure that meet customer expectations.

ACTIVITY LOG FOR THE SEVEN WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-1	White balance is a checker of T.V. Panel screen	The process of W.B stage	
Day -2	In this stage the WB means, that, is the color, Analysis of the T.V	White balance is a colour Analyses	
Day-3	A small device, especially an electronic, use for testing the T.V	The white balance having the i/o probe	
Day-4	I/O probe, R.G.B colors, The path scan checking the screen.	checking of probe with different colours	
Day-5	If any abnormal colors like (black, blue, white) T.V's can't pass in W.B stage.	T.V's pairing stage	
Day-6	Finally the T.V's are checking with usb cable (universal service bus)	Final checking with usb	

WEEKLY REPORT
WEEK-7 (From Dt 12/03/24 to Dt 18/03/24)

Objective of the Activity Done: T.V white Balance Adjustment

Detailed Report:

White balance is an important stage in T.V manufacturing as it ensures that the colours displayed on the screen are accurate and consistent. White balance is the process of adjusting the colour temperature of a display match the lighting conditions of the environment where it will be used.

During the manufacturing process, technicians use specialised equipments to measure the colour temperature of the screen and make adjustments to the red, green and blue colour channels to ensure accuracy. This process is typically performed at the factory but some TVs also include user controls for adjusting the white balance to match specific light conditions in your room. When white balance is not properly adjusted, the image may appear too warm (yellowish) or too cool (bluish).

ACTIVITY LOG FOR THE EIGHTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-1	The back cover of the T.V. is usually made of plastic (or) metal.	The back cover preparation and painting back cover.	
Day-2	Closing of unwanted holes with Black ropes protects dust	Closing of holes with using of tape	
Day-3	Attaching of clips to the back cover for inserting of mother board	Fixing clips in back cover	
Day-4	Checking damages in the back cover like scratches, painting problems and bonds	Checking the damages in back cover.	
Day-5	Cleaning of back cover with specific air pressure to remove dust	Cleaning of back cover with air	
Day-6	The back cover will be cleaned with specific liquid on bottom	Cleaning the cover with liquid.	

WEEKLY REPORT
WEEK-8 (From Dt. 19/03/24 to Dt. 25/03/24)

Objective of the Activity Done:

Back Cover Fixing Process

Detailed Report:

The back cover of the T.V is usually made of plastic or metal, it ensures, that the components inside the T.V are properly protected and secured. The back cover is first Inspected for and defects or damage. The surface of the back cover is cleaned to remove and dust (or) debris that could affects to the inner edges of.

The tape is applied to the inner edges of the back cover to ensure that the adheres firmly to the T.V. Frame. In addition, to the adhesive tape screws - may also be used to secure the back cover to the T.V. Frame. The screws are inserted into T.V. Frame the the back cover. Usually comes a mixture should be mixed according to the manufacturer's Instruction.

ACTIVITY LOG FOR THE NINTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-1	moving of Back cover to input stage of (cm) Liquid Crystal display).	moving back cover into LCM	
Day-2	scanning Back cover for checking serial number to know that the part Fall.	scanning back cover Barcode	
Day-3	Scanning of LED Light and it will be linked specific barcode Back cover	scanning back of LED Light, Bats	
Day-4	sticking of LED Lights to Back covers by using Glue	sticking of LED Bats	
Day-5	Tapping of LED Bats for safety purpose and stretch.	tapping of LED Bats	
Day-6	Fixing of wires to the LED Bats for Power supply	Fixing of wires.	

WEEKLY REPORT
WEEK-9 (From Dt. 28/03/24 to Dt. 02/04/24)

Objective of the Activity Done:

patch of Inlet stage in L.C.M

Detailed Report:

In this week we work in the one of the main manufacturing process of LCM stage (Liquid Crystal module). In LCM stage the screen was fully protected from dust and also fully AC coated. In LCM there are three stages Inlet, Tinting and outlet stage.

First we learn about the Inlet stage in LCM, in this stage first the scanning of back cover, checking serial number to show the particular bears are it pass or fail in Inlet stage. Then scanning of LED light bar. The each LED light bar consist of SLED lights and the light bar are linked to specific barcode of the back cover.

The light bar's was fixed in the back cover with the using of glue and then connecting Electric wires to the light bar's for proper power supply.

ACTIVITY LOG FOR THE TENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-1	changing of Back cover into another cover on top of Bullet	Putting Back cover to another line	
Day-2	Placing of Back light sheet on top of LED Box	fixing of LED back light sheet	
Day-3	fixing supporting in the back cover for the screen protection	fixing of supports	
Day-4	securing the supports for stiffness with machine	securing of supports	
Day-5	Final checking of back cover in Lcm input side	Final checking	
Day-6	Putting of Back cover from Lcm Input to open unit in Lcm	Putting of Back cover to open cell in Lcm	

WEEKLYREPORT

WEEK-10 (From Dt 03/04/24 to Dt 09/04/24)

Objective of the Activity Done:

placing of Back light But

Detailed Report:

This was also coming in the same stage for some more panels in the stage placed back light that on top of the LED Bar fixing supports in the back case for the display screen protection and securing the supports first stiffen with help of securing machine.

In the case of a flawed crystal display (LED) T.V. The input various components such as the LED panel, Backlight circuit board, Power supply and other hardware each components would ensure that they meet the required specifying quality standards.

Once the components pass inspection they could be assembled into the and subassembly of the finished product.

ACTIVITY LOG FOR THE ELEVENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-1	Polishing of white sheet for the purpose of brightness of T.V. screen	Polishing of white sheets	
Day -2	Checking of Back light for any damages in light	Checking of LED Light Box	
Day-3	Fixing of white sheet and also checking that it is not damaged	Checking of white sheet damages, Dust Black dot	
Day-4	While cleaning the white sheet by using vacuum cleaners	Cleaning of white sheet	
Day-5	At the time the open cell can check damages the help of LED light Table	Telling open cell	
Day-6	Fixing of open cell on top of Back cover	Fixing of open cell	

WEEKLY REPORT
WEEK-11 (From Dt. 10/04/24 to Dt. 16/04/24)

Objective of the Activity Done:

Backlight checking in Lcm

Detailed Report:

This week conduct the program in Lcm plant that Backlight checking in T.V. manufacturing.

In a typical LCD TV manufacturing program, the backlight unit consists of a series of light emitting diodes (LED's) or cold cathode fluorescent lamps (CCFL's) arranged in a specific pattern provide the required illumination for the display panel.

During the backlight checking process, the assembled backlight checking process to power source and undergoes a series of tests to check for defects such as dead (or) dim pixels (check brightness, and color balance). This process may be automatically done by equipment.

The back light has been checked and found in perfect. It is then mounted on the display panel and undergo further testing T.V. product.

ACTIVITY LOG FOR THE TWELFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-1	Removing of Double tape cover under the open cut to fix it	Removing of Double tape cover gas cut	
Day-2	Routing the display Panel with router in 3Aides of Panel.	Routing of Panel for stiffener.	
Day-3	Removal of white cover in panel for the screen	Removal of cover	
Day-4	The 4 sides of the Panel will be tapped for more support	Tapping the four side of T.V	
Day-5	on the panel that open cut can connected to FFC, I connect the main board	Fixing FFC to open cell	
Day-6	Tapping of Browsing in panel for reducing from elastic wave.	Tapping of Browsing.	

WEEKLY REPORT
WEEK-12 (From Dt 17/01/24 to Dt 23/04/24)

Objective of the Activity Done:

Fixing open cell and FFC's

Detailed Report:

The open cell process involves the assembly of the liquid crystal layer and color filters into a glass substrate, forming the LCD panel. The LCD panel is then tested for defects such as dead pixels (or) color balance issues and if repaired (or) discarded.

and the LCD panel Panel Inspection, it is shipped to T.V. Assembly plant where it is mounted onto a back panel which includes the circuitry of controlling the individual pixels of the display. This process is known as the closed cell process.

FFC (Flexible Flat Cable) are thin, flat ribbon like cables that are used to connect various components within a TV such as the LED panel, control board, backlight, and other hardware components. They are commonly used in LCD TVs, because of their flexibility, high density connecting options and ability to long distances.

ACTIVITY LOG FOR THE THIRTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-1	Fixing of Plastic bar under the T.V Panel with the help of screwing	Fixing of Plastic bar	
Day -2	Dark rooms passing of Panel into of Panel.	Passing of Panel	
Day-3	Different types of problems in Panel. Black dots, white dots. V-lines.	Damages in Panel.	
Day-4	The fixing FCC are checked in Dark room with system.	FCC checking.	
Day-5	The panels are final scanning that the panels model of hd.	LCM at PRT scanning.	
Day-6	That the Pan Panels are transfer to F.A line and some Panels are stored.	Storing of Panels in Pallets.	

WEEKLY REPORT
WEEK-13 (From Dt. 24/04/24 to Dt. 30/04/23)

Objective of the Activity Done:

Process of Dark room checking.

Detailed Report:

During the dark room checking process the T.V is placed in a specially designed dark room, where the ambient lighting is controlled and optimized. The TV is then connected to a signal generator, which displays various text patterns and images on the screen.

Technicians then examine the T.V screen for any defects such as pixel defect, color banding (or) backlight. They also check for uniformity of brightness, and color across the screen and the ability and accurate color in low light condition.

The dark room checking process is critical for ensuring that T.V in course of delivering a high quality viewing experience. Particular for (rules or) TV shows with dark film night scenes, details (or) customer dissatisfaction.

ACTIVITY LOG FOR THE FOURTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-1	In F.A Line the first process panel inspection and m-B fixing and scanning	m-B preparation in F.A Line	
Day-2	FFK Assembling and Back cover assembling & fixing of connections.	I.B preparation of speaker wire and wire preparation.	
Day-3	Testing the panel of fixing and it is tested with USB	USB Testing	
Day-4	Back cover fixing if moved to scanning section	Scanning of Backs cover	
Day-5	The scanning section the scanning centers will take 20 mins.	Time taken to scan Backs cover	
Day-6	Speakers are tested in this stage with different types of sound	Testing of speaker.	

WEEKLY REPORT

WEEK-14 (From Dt 31/04/24 to Dt 06/05/24)

Objective of the Activity Done:

Process of Final Assembly (FA) stage

Detailed Report:

FA (Final Assembly) stage in T.V. manufacturing refers to the final step in the production process where all the individual components are assembled together into a finished T.V product. During the FA stage, the LED panel, back light unit, power supply, control board and other hardware components are assembled into a T.V chassis. The T.V chassis is then inserted into a T.V frame. The T.V frame is then inspected for defects and undergoes various tests and checks to ensure that all the components are working and communicating with each other.

The power supply provides the necessary voltage and current to the T.V's internal components. It is typically assembled into the T.V chassis during the IR stage. The control board is the main processing responsibility for controlling individual operating components.

ACTIVITY LOG FOR THE FIFTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day-1	In this stage Dot Inspection of HDMI Testing	Dot Inspection	
Day-2	In this process Lan wi-fi are tested with specified system R.F Testing	Lan & wi-fi Testing	
Day-3	Resetting the panels After being checked the panel	Reset the program in panel	
Day-4	mpp is checked and fixed and they will do an final inspection of TV.	MRP scanning & final inspection.	
Day-5	The packing of TV's with accessories like T.V stand remote and so on.	Packing of TV's	
Day-6	After finishing of TV IF will be loaded to different cities.	Export.	

WEEKLY REPORT

WEEK-15 (From Dt. 09/05/24 to Dt. 13/05/24)

Objective of the Activity Done:

Inlet, Testing, output & Export

Detailed Report:

Inlet, output parts. The parts like such as HDMI, USB and Ethernet parts are typically installed into the T.V Chassis during the FA stage. The speakers are typically built into the T.V Chassis during the FA stage, providing the audio output by the T.V.

The stand or mount is used to support the T.V and is typically attached to the T.V Chassis during the FA stage. The parts or used in FA stage of TV manufacturing are critical for assembling.

In the Packing stage also involves the additional features or accessories like TV stand remote and some other sensors in the engineering. Dixon Technologies has collaborated with the South group to manufacture Export Electronics products to various countries. The collaboration aims to leverage Dixon the collaboration aims manufacturing market reach.

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.)

As per people interaction at Dixon Technologies, it's likely that the company has various interactions between employees, customers and stockholders. These interactions may include communications through e-mail, phone and in person meeting as well as collaboration on projects, dealing with issues, issues and discussing business strategies.

Some of the common facilities that may be available in this organization, manufacturing facilities has stated that the company invests heavily in research and development to create products in place to reach high quality standards. Customer service facilities has a strong focus on customer service and may have dedicated workers.

The job role in the company may be in supply chain management as supply chain manager manages the flow of raw materials and finished goods for T.V manufacturing. This involves co-ordinating with suppliers, managing inventory and ensuring that materials

Effective time management is a critical aspect of any successful organization. Including Dixon Technologies, a technologies company that provides design, manufacturing and after-sales services. Dixon Technologies lucky has various process and tools in place to ensure effective time management.

Dixon Technologies may have an Environmental Policy in place to reduce its impact on the environment. This policy may include measures such as energy efficient lighting, recycling programs, and the use of environmentally friendly materials in manufacturing.

The organization may encourage open communication between employees, management and others share holders, this may regular meetings, feedback and meaningful platform.

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

- 1). Technological skills
- 2). Time management
- 3). Communication skills
- 4). Problem - solving
- 5). Team work
- 6). Creating skills.
- 7). Personality skills.
- 8). Leadership abilities
- 9). Work ethics
- 10). Attention to details

It is quite harder to understand but, there were some machine that provided to work in a simple way.

There were many skills that I acquired in how to maintain between seller or market the product and also to get demand for the product there will be other products but we have to create demand of our product.

Actually this helps us to develop our skills with making of different people. It helps to perform multi-tasking and maintain the multi-works helps to do the work with integrity. Technical skills are the specialised knowledge and expertise required to perform specific tasks and we we specific tools and programs situations.

Technical skills are required in about every field and industry from it and business Administration - to health care and education. Every job requires a different skillset and that's why the technical skills most demanded workers.

In addition to technical skills, hard skills are also important in this company. Hard skills refer to manual components and products.

1. Soldering

2. Component Assembly

3. Testing and Inspection

4. Wiring and Cable Assembly

5. Mechanical Assembly

6. Quality Control

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

When it comes to selecting students for these internship programs, Employers have a set of five competencies that are crucial for students to possess. These are also among the skills employees and helping their interns to build during the student's Internships.

- * Information processing

- * Team work

- * Planning / prioritizing

- * Decision making

- * Verbal communication

- * Problem solving.

Students and services also rated each individual soft skills significantly higher at the end of the internship compared to the beginning of the internship. The largest difference between pre-internship and post-internship, soft skills were related to communication.

approach also saw this inters make gain on
the initiative scale including 'logically approaching a problem'
Approaching a problem independently and reporting increase
these basic categories: technical human relation and
conceptual skills.

Specialized areas of knowledge and experience and
the ability to apply that knowledge makes up a manager's
Technical skills.

management skills are abilities and skills needed to
perform certain duties mainly as it relates to overseeing
a team such as ~~solving~~ solving problems, communicating
well and motivating employees, such skills can be learned
through practical experience at in courses and then on the
job.

The leaders of the company should be
learned through practical experience. The leaders of
this company should be "discharge" The leader of
creates a vision - for the company and set long-term
goals to achieve that vision It should be able and
creating a positive work culture.

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

Communication is the act of conveying meaning to
or person using mutually understood signs or semiotic systems.

The sender is the person who sends the message.

The message is the information to be conveyed.

The channel of communication is the manner in

which the message is sent : speaking, writing, video,
audio, e-mail, text messages, body language etc.

The receiver is the person who receives the
message and sends a reply.

By applying these tips and practicing often,
you can develop an ability to use the skills and learn
how to be an effective communicator.

Effective oral communication in the workplace

is an essential for success in any industry or
field. Oral communication can help to build strong
collaboration and problem-solving.

Pay Attention to what other are saying and questions or seek clarification when needed.

Be confident and Assertive : speak up when you have something to contribute and don't be afraid to express your opinions, or ideas use simple language and avoid technical terms that other may not understand maintain eye contact use appropriate gestures and facial expressions, and stand or sit straight.

Asking colleagues or supervisors for feedback on my communications skills - and work to improve areas for head development -

six ideas to help you communicate more effectively in internship.

1. Volunteer to give a presentation
2. Ask to host a team meeting
3. Seek feedback from you peers as well as managers.
4. Practice your small talk at informal times.
5. Keep on learning and practicing.

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

In this organization there are more discussion and meeting held weekly once, where we discuss about the financial growth and profit and losses in each and every aspect of showroom.

Our owner in the workshop teaches the leadership and explained how to deal with problem and suggesting some solution.

I gained some leadership qualities and leading motivating the team to full fill the requirements of the clients based on their needs I used to manage the team and also the workshop in the absence of the owner or workshop manager.

I went to advertising of the time. I was a team member and leaded some behavior analysis of customer who come for service and I was thought them team with respectably.

Designers are responsible for creating the design
leave and full of the T.V. as well as the layout
of the components and internal hardware. They work
closely with Engineers to ensure that the design
can be manufactured within the required specifications.

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

T.V manufacturers have focused on developing new technologies to improve the picture quality and sound quality and detail well evidenced some of the notable advancements in T.V Technology.

also (Organic Light Emitting Diode) TV's offer superior picture quality compared to traditional LED TV's with deeper blacks, brighter whites and more vivid colors.

4K and 8K resolution, these high resolution displays offer incredibly sharp and detailed image making them ideal for watching movies, sports & gaming.

HDR (High Dynamic Range) technology allows users to stream movies and TV shows, browse the web and use apps directly on their TV.

many newer TV's come with built in voice control, allowing users to navigate menus and search for content using voice commands.

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

T.V manufacturers have focused on developing new technologies to improve the picture quality, sound quality and overall user experience, some of the notable advancements in T.V Technology.

also (Organic Light Emitting Diode) TV's offer superior picture quality compared to traditional LED's TV's with deeper blacks, brighter whites and more vivid colors.

4K and 8K resolution, these high-resolution displays offer incredibly sharp and detailed images making them ideal for watching movies, sports or gaming.

HDR (High Dynamic Range) technology allows users to stream movies and T.V shows, browse the web and use apps directly on their T.V.

many newer T.V's come with built-in voice control, allowing users to navigate menus and search for content using voice commands.

~~The~~ The technological adlovement that have, been
made in TV Industry as technology continues to
change, we can expect to see ever more exciting
developments in the years to come.

Student Self Evaluation of the Short-Term Internship

Student Name: C. Sai Narasimha

Registration No: 216030054001

Term of Internship: 3 months From: 01/02/2024

To: 01/05/2024

Date of Evaluation:

Organization Name & Address: Dixon Technologies, Pvt Ltd,
Tirupathi

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:

C. Sai Narasimha
Signature of the Student

Evaluation by the Supervisor of the Intern Organization

Student Name: C. Sai Narasimha

Registration No: 216030054004

Term of Internship: 3 months From: 01/02/2024 To: 01/05/2024

Date of Evaluation:

Organization Name & Address: Dixon Technologies, Pvt Ltd, Tirupathi

Name & Address of the Supervisor: mchan, mangalam, HR

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

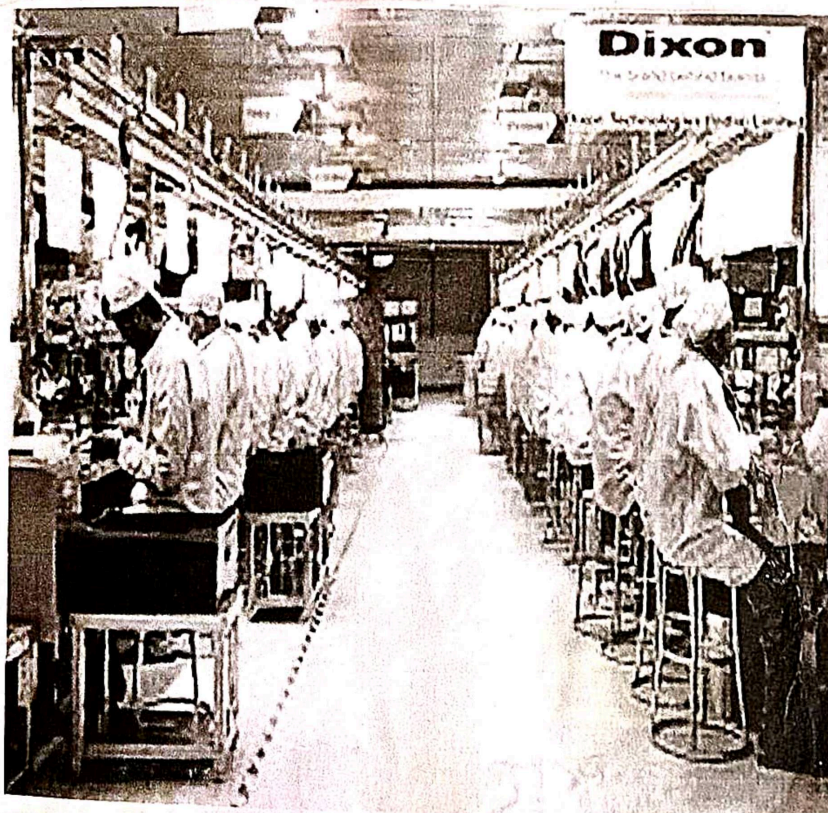
Date:

Signature of the Supervisor

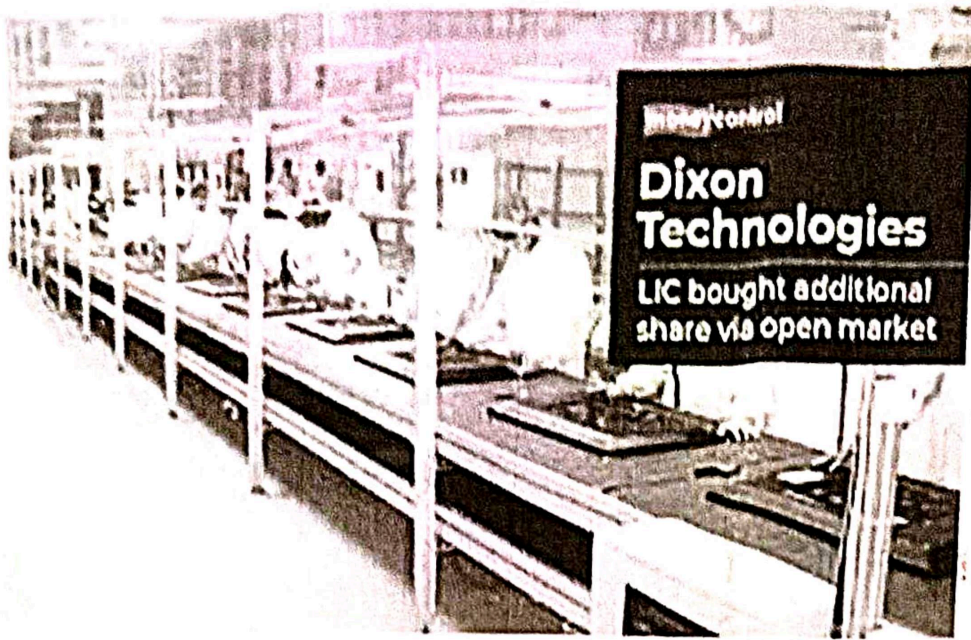
PHOTOS&VIDEOLINKS



(i) outside and parking view of Dixon company



(ii). working of employes in the respective seats in the sheds with safety precautionary.



(iii). Assembling of speeders, IT's, mother boards at Inlet stage.



(iv). Checking of back panel Injection and parts at the Testing phase.

EVALUATION

Internal & External Evaluation for Semester Internship

Objectives:

- Explore career alternatives prior to graduation.
- To assess interests and abilities in the field of study.
- To develop communication, interpersonal and other critical skills in the future job.
- To acquire additional skills required for the world of work.
- To acquire employment contacts leading directly to a full-time job following graduation from college.

Assessment Model:

- There shall be both internal evaluation and external evaluation
- The Faculty Guide assigned is in-charge of the learning activities of the students and for the comprehensive and continuous assessment of the students.
- The assessment is to be conducted for 200 marks. Internal Evaluation for 50 marks and External Evaluation for 150 marks
- The number of credits assigned is 12. Later the marks shall be converted into grades and grade points to include finally in the SGPA and CGPA.
- The weightings for Internal Evaluations shall be:
 - o Activity Log 10 marks
 - o Internship Evaluation 30 marks
 - o Oral Presentation 10 marks
- The weightings for External Evaluations shall be:
 - o Internship Evaluation 100 marks
 - o Viva-Voce 50 marks
- The External Evaluation shall be conducted by an Evaluation Committee comprising of the Principal, Faculty Guide, Internal Expert and External Expert nominated by the affiliating University. The Evaluation Committee shall also consider the grading given by the Supervisor of the Intern Organization.
- Activity Log is the record of the day-to-day activities. The Activity Log is assessed on an individual basis, thus allowing for individual members within group to be assessed this way. The assessment will take into consideration

- the individual student's involvement in the assigned work.
- While evaluating the student's Activity Log, the following shall be considered -
- The individual student's effort and commitment.
 - The originality and quality of the work produced by the individual student.
 - The student's integration and co-operation with the work assigned.
 - The completeness of the Activity Log.
- The Internship Evaluation shall include the following components and based on Weekly Reports and Outcomes Description
- Description of the Work Environment.
 - Real Time Technical Skills acquired.
 - Managerial Skills acquired.
 - Improvement of Communication Skills.
 - Team Dynamics
 - Technological Developments recorded.

MARKS STATEMENT

(To be used by the Examiners)

INTERNALASSESSMENTSTATEMENT

Name Of the Student: **C. Sai Narasimha**

programme of Study: **B.Sc (mcs)**

Year of Study: **III Year**

Group:

Register No/H.T. No: **216030054004**

Name of the College: **Brookfield Degree College, Radampet**

University: **Yogi Bheema University, Kadapa**

Sl.No	EvaluationCriterion	Maximum Marks	Marks Awarded
1.	ActivityLog	10	
2.	InternshipEvaluation	30	
3.	OralPresentation	10	
	GRANDTOTAL	50	

Date:

SignatureoftheFacultyGuide

EXTERNALASSESSMENTSTATEMENT

Name Of the Student: C. sai Nadasimha

Programme of Study: B.Sc (mcs)

Year of Study: III Year

Group:

Register No/H.T. No: 216030054004

Name of the College: Government Degree College, Radampet.

University: Yogi Bhanu Prasad University, ~~Kadapa~~ Kadapa.

Sl.No	EvaluationCriterion	Maximum Marks	Marks Awarded
1.	InternshipEvaluation	80	
2.	For the grading giving by the Supervisor of the Intern Organization	20	
3.	Viva-Voce	50	
	TOTAL	150	
GRANDTOTAL(EXT.50M+INT.100M)		200	

SignatureoftheFacultyGuide

Signatureof the InternalExpert

SignatureoftheExternalExpert

SignatureofthePrincipalwithSeal



ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION

(A Statutory Body of the Government of Andhra Pradesh)

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