



## Activities Progress Report of RECF Project **ATDC Jaipur:**

*The Apparel Training & Design Centre (ATDC), a society under the aegis of the Apparel Export Promotion Council, ATDC is one of India's largest vocational training provider. ATDC Jaipur located at SP-191, near Apex Circle, Malviya nagar, Jaipur. ATDC Jaipur dedicated for training on the field of Fashion Design & Manufacturing.*

### *About REC Project:*

*REC is a 'Maharatna' company under the administrative control of the Ministry of Power, Government of India, and is registered with RBI as non-banking finance company (NBFC), Public Financial Institution (PFI) and Infrastructure Financing Company (IFC).*

*REC was incorporated in 1969 in the backdrop of severe drought and famine in the country, to energise agricultural pump-sets for irrigation purposes, thereby reducing the dependency of agriculture on monsoons. More recently REC has also diversified into the Non-Power Infrastructure sector comprising Roads & Expressways, Metro Rail, Airports, IT Communication, Social and Commercial Infrastructure (Educational Institution, Hospitals), Ports and Electro-Mechanical (E&M) works in respect of various other sectors like Steel, Refinery, etc.*

*REC Project for BVOC Degree course -3 years programme in AME/FDR. The sanction, each center has to enroll 30 students from EWS category in the current session. The expenses for fees will be borne by RECF under its CSR and it will be totally free of cost for students.*





### Highlights of the Academic Activities:

1. Orientation Program: The Orientation program conducted on 14.08.2023 with all B.Voc REC students. The Principal Mr.Dharmendra Singh speech on the course curriculum and ATDC Training SOP, Infrastructure and facilities for Students and Scope of the program.



### 2. Kit & ID cards Distribution And T-Shirt/Cap Distribution

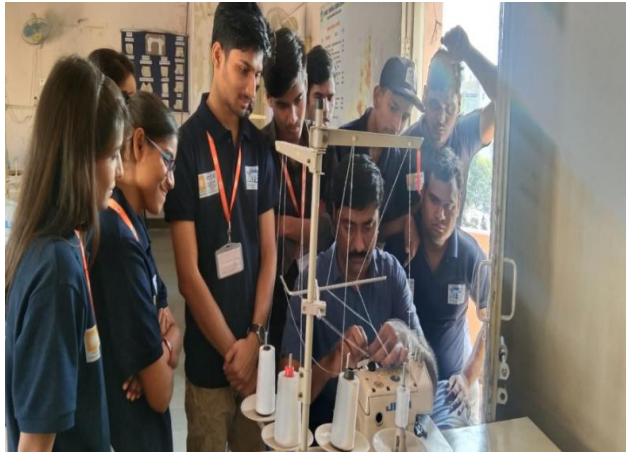


3. Theoretical Classes: These classes conducted for the PMGC-I, SPME-I, English Communication & Soft skills, Life skills & PD, Computer Skills, Basic Mathematic etc.





4. Practical Session: These classes conducted for the PMGC-I, SPME-I, English Communication & Soft skills, Life skills & PD, Computer Skills, Basic Mathematic etc.





5. *Special Expert Lecture: we had been a special Apparel industry expert session by Designer Mr. Ajay Singh on 11.10.2023 in this session expert delivered the depth knowledge on Apparel merchanding and design concept.*



6. *Industry Visit: We have conducted an Apparel Industry study visit at M/S Ahuja Overseas Jaipur for REC B.Voc AME batch in this visit students acquire the knowledge of Advance Machines, Fabric Inspection machine ,Cutting machines – Straight knife, band knife and CAM cutter Finishing machines and folders in sewing section. The students gained a deep appreciation for the role these machines play in streamlining production processes. Our students were impressed by the Hand block process and Sangneri prints.*



7. *Mid-Session Review Zoom meeting by ATDC Academic Management: As per the Academic Calendar given in the B.Voc Log Book, Mid-Semester Review is to be conducted for students of Semester 1 of B.Voc 2023 on 20 Oct 2023. Student's Feedback field Form send to ATDC NHO.*



8. REC Student covered the following topics as below:

**I. English Communication & Soft Skills :**

Sentence Subject and Predicate • Types of Sentences: Simple, Compound, Complex, Assertive, Interrogative, Imperative, Exclamatory • Common Errors Parts of Speech • Noun and its different types • Verb • Adjective and its different types • Adverb • Conjunction • Interjection • Pronoun and its different types • Preposition Tenses • Simple, Progressive and Prefect Tenses in Present, Past and Future form Articles and Modals • Usage of 'A', 'AN' and 'THE' • Usage of Will, Shall Should, Would and others • Developing Vocabulary • Words Commonly Miss pelt • Word formation by prefix suffix • Synonyms and antonyms Developing Thinking Ability and Logical Reasoning • Six Hats Technique • Practicing Logical Reasoning

**II. Pattern Making & Garment Construction-I :**

Introduction to Flat Pattern Making a methods and concepts. • Pattern terminology - land marks, Pattern terms, Balance terms and Fabric terms. • Introduction to body forms and their measurements. • Measurements, Pattern Making and Cutting Tools. • Making the pattern of Basic Bodies, Basic Sleeves, Basic Skirt Block and draft  $\frac{1}{4}$ ,  $\frac{1}{2}$  and full size blocks. • Draping of Basic Bodies, Basic Sleeves, Basic Skirt Block. • Industrial pattern making of Basic Bodies, Basic Sleeves, Basic Skirt Block. • Introduction to Sewing Machines – classification and identification • Needles & Threading mechanism • Common Machine Problem • Operating Industrial Sewing Machine • Practice – Paper Worksheets on different shapes • Construction of Seams, Plackets & Pockets, Facing, Piping, necklines, Hems etc. • Construction of full size Basic Bodies, Basic Sleeves, Basic Skirt Block, assessing block fit, alteration to correct fit.

**III. Fabric Science - I :**

Profile of the Indian Textile Industry • Major Production Segments of the Textile supply Chain • Indian Textile Industry Overview • The Textile Pipeline: From Fiber to Consumer Assignments • Fundamentals of Textiles – Fiber to Fashion • Fiber definition & classification • Fiber properties & End Use- Natural & Man-made • Fiber Identification • Fabric (Overview of methods of production and identification of structure – woven, knitted, non-woven) • Overview of different fabrics and their manufacturing- Woven, Knitted & Non-Woven • Introduction to woven fabrics Weaves: Basic & Novelty weaves • Textile Properties and applications (related to weight, strength and appearance, flammability, water repellency) etc. • Project – Swatches of all types of fibers and fabric need for submission. • Presentation by student on assigned topic.

**IV. Fundamentals of Apparel Production :**

Profile of Indian Apparel Industry • Strength & Weakness • Organization structure • Basic Industrial Terminology • Role of designer, Co-coordinator, merchandiser, quality control inspector, production supervisor etc • Sequence of Apparel production • Types of Apparel Producers • Different departments & personnel • Introduction to Basic Garment: Components & Parts • Seams & Stitches – functioning and usage • Raw Material in use in RMG industry: Closures, Labels, Interlining, Threads, Packing Material, Laces & Braids etc. • Garment Analysis (using a tech pack) of different garments • Types of Sewing Machines used in manufacturing and their usage • Operation Breakdown • Pre-production Planning • Types of samples & sample approval • Types of Patterns & pattern checking • Fabric & Accessory procurement



#### **V. Garment Analysis & Flat Sketching :**

Introduction to Basic Garment: Components & Parts • Men's Shirt • Trouser • Skirt • T-Shirt • Dress Garment Analysis (Using a Tech Pack) • Basic Garments: Shirt, Trouser & T-shirt • Components parts • Raw material consumption • Seams • Stitches • Operation breakdown • M/c's used in manufacturing etc. Drawing of Basic Necklines, Collars, Sleeves, Skirts, lower torso etc • Basics of Fashion Figure – Block and stick figure • Drawing various views – Front, Side,  $\frac{3}{4}$  and Back view of fashion figure • Draping of block figure all views • Drawing of flat sketches

#### **VI. Sewn Product Machinery & Equipment – I:**

Different types of Machine Beds- Raised, Post, Cylindrical, Flat etc. • Basic knowledge of the following machines along with their parts and functions, machine settings, pressure foot adjustment, machine maintenance etc a) SNLS (UBT and Non UBT) b) Double needle lock stitch c) 4 thread, 5 thread and 6 thread Overlock d) Flat lock • Learn industrial ergonomics

#### **VII. Basic Mathematical statistics-I :**

UNIT-I:- How Maths & Statistics related to each other: General Component- LCM & HCF, Number system, Surds & Indices.

UNIT-II:- Ration & Proportion: Percentage, Profit & Loss, Discount, Sales tax, Compound Interest, Direct variation, Time, Distance & work.

UNIT-III:- Organization of data: Organizing data, Presentation of data- Textual & Tabular Presentation.

UNIT-IV:- Diagrammatic Presentation of data: Bar diagram & Pie diagram, Frequency diagram's- Histogram, Polygons & Ogives.

UNIT-V:- Miscellaneous: Electronic Spread Sheet - Structure of Spread Sheet -Applications to Accounting - Types of Charts - Formulas and Functions.

#### **VIII. Basic Computing Skills:**

UNIT-I:- Introduction to Computers: Introduction to Computers -Generations of Computers - Types of Computers - Input Devices and Output Devices - Application of Computers - Role of Computers in Modern management.

UNIT-II:-Operating Systems: Definition - Advantages and Drawbacks of Operating System - Types of Operating System – Multitasking – Multiprocessing.

UNIT-III:- Hardware and Storage Devices: Memory - Primary - Secondary - Rom - CD - Pen drive - Floppy - Computer Organization system - Printer - Types of Printers and Scanner.

UNIT-IV:- Word processing: Meaning and Role Of Word Processing - Creating Documents - Editing - Formatting and Printing Documents. Tools for text editing: Spell Check - Grammar check - Thesaurus - working with tables - Mail Merge - Table of content

UNIT-V:- MS - Excel: Electronic Spread Sheet - Structure of Spread Sheet -Applications to Accounting - Types of Charts - Formulas and Functions.

#### **IX. Life Skill and Personality Development:**

UNIT-I:- Introduction to Life skills, UNIT-II:- Life skills for Personality development, UNIT-III:- Life skills for Professional development, UNIT-IV:- Personality Development



9. REC Group Photo holding "REC Thank You! Placard:



10. Maintain academic records: Logbook, Students feedback, Biometric attendance, Manual Attendance, Prasora Activates and Documentation related Applications.

**Conclusion:**

*The academic activities to cover all vocational training calendar or plan received from ATDC Academic affair department .we maintaining the all required activities to maintain training SOP for smooth training delivery of course contents with corospending by RGNIYD University.*

*Thanks*

*ATDC-Jaipur*