

ATIRA TECHNICAL TRAINING PROGRAMME SCHEDULE – 2019-2020

Sr. No.	Course Title	Duration	Date/s	Venue	Faculty
1.	Cotton Quality Parameters and Its Impact on Yarn and Fabric	Two days	16 th & 17 th Jul 2019 13 th & 14 th Aug 2019 17 th & 18 th Sept 2019 15 th & 16 th Oct 2019	ATIRA	Nitin Raval & Jigar Dave
2.	Performance and Quality Evaluation of High Speed Circular Weft Knitted Fabrics	One day	23 rd July 2019 20 th August 2019 24 th September 2019 19 th November 2019 17 th December 2019	ATIRA	Jigar Dave
3.	Geo Textile Testing Method	Two days	30 th & 31 st Jul 2019 27 th & 28 th Aug 2019 26 th & 27 th Sept.2019 13 th & 14 th Nov.2019 10 th & 11 th Dec.2019	ATIRA or at Mill/Unit	Jigar Dave
4.	Testing of Composites Material	Two weeks	Date/s will be finalized with the mutual understanding between client and ATIRA	ATIRA	Hitesh Solanki
5.	Effective Operation of Latest Testing Instruments	Four days	17 th to 20 th Sept.2019 22 nd to 25 th Oct. 2019 5 th to 8 th Nov.2019 10 th to 13 th Dec.2019	ATIRA	Jigar Dave
6.	Composites Materials	Five days	27 th to 31 st Aug 2019 17 th to 21 st Sept 2019 15 th to 19 th Oct 2019 26 th to 30 th Nov2019 17 th to 21 st Dec.2019	ATIRA	Ruhi Kumari
7.	Basic of Textile	Eight days (daily two hours)	Date/s will be finalized with the mutual understanding between client and ATIRA	ATIRA	Hasmukhbhai Patel
8.	Basic of Fabric Preparation Dyeing and Printing	Five to Six days	Date/s will be finalized with the mutual understanding between client and ATIRA	ATIRA	Dr. K.C. Gupta & D.S. Trivedi
9.	Positive Attitude and Behaviour Change	One day	Date/s will be finalized with the mutual understanding between client and ATIRA	In-house at Mill /Unit	U.M. Galiwala
10.	Shop floor Operative Training for Spinning Mills	Twenty days	Date/s will be finalized with the mutual understanding between client and ATIRA	In-house at Mill/Unit	Faculty will be announced in due course of time.
11.	Skill Development Technical Training for Weaving Operators	Ten days	Date/s will be finalized with the mutual understanding between client and ATIRA	ATIRA or at Mill/Unit	Hasmukhbhai Patel and U.M. Galiwala
12.	Practical Training Programme in Pultrusion Process	One Month	Date/s will be finalized with the mutual understanding between client and ATIRA	ATIRA	Ruhi Kumari and Subhashish Pal

For further details please contact:

Mr. U.M. Galiwala

Programme Coordinator

ATIRA, P.O. Ambawadi Vistar, AHMEDABAD 380015

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ATIRA TECHNICAL TRAINING PROGRAMMES

COURSE No1.: “Cotton Quality Parameters and Its Impact on Yarn and Fabric”

FOR: Managers / Entrepreneurs / Traders

FACULTY: Jigar Dave and Nitin Raval

FOCUS:

Cotton:

- Farming and Ginning
- Cotton Testing
- Mixing

Yarn:

- Spinning Process
- Y:arn Testing
- Cotton Parameters affecting Process Parameters
- Cotton Parameters affecting Yarn Quality
- Yarn types and various Fancy Yarn

DURATION: Two Days at ATIRA, Ahmedabad

Course timings will be 9.30 a.m. to 5.00 p.m.

The total charges are to be paid in advance.

VENUE	DATE	PROGRAMME FEES
	16 th & 17 th July 2019	
ATIRA,	13 th & 14 th August 2019	For maximum 3 participants
Ahmedabad	17 th & 18 th September 2019	Rs.20,000/- + GST @ 18%
	15 th & 16 th October 2019	

COURSE No.2: “Performance and Quality Evaluation of High Speed Circular Weft Knitted Fabrics”.

FOR: Spinning Managers, Knitting Managers, R&D and Quality Assurance Staff.

FACULTY: Jigar Dave

FOCUS

- Impact of fibre and yarn characteristics on knitted fabrics.
- Quality and productivity evaluation of the knitting performance.
- Knitted fabric quality characteristics.
- Dyeing and finishing of knits.
- Trouble shooting.

PARTICIPANTS TO BRING

- Fibre, yarn and fabric quality data
- Defective fabric samples

DURATION: One Day at ATIRA, Ahmedabad
Course timings will be 9.30 a.m. to 5.00 p.m
The total charges are to be paid in advance.

VENUE	DATE	PROGRAMME FEES
	23 rd July 2019	
ATIRA,	20 th August 2019	For 1 Participant
Ahmedabad	24 th September 2019	Rs.7,000 /- + GST @ 18%
	19 th November 2019	
	17 th December 2019	

COURSE No.3: “Geo Textile Testing Method “

FOR: Managers / QC Supervisors

FACULTY: Jigar Dave

FOCUS:

- Grab Breaking (ASTM D4632 / D4632M) : Scope , Instrument and procedure
- Trapezoid Tearing Strength of Geotextiles ASTM D4533 / D4533M -: Scope , Instrument and procedure
- ASTM D6241 - 14 : Scope , Instrument and procedure
- Water Permeability of Geotextiles by Permittivity ASTM D4491 / D4491M – 1: Scope , Instrument and procedure
- Apparent Opening Size of a Geotextile ASTM D4751 – 16: Scope , Instrument and procedure
- Deterioration of Geotextiles by Exposure to Light, Moisture and Heat in a Xenon Arc-Type Apparatus
- ASTM D4355 / D4355M - 14(2018) :Scope , Instrument and procedure
- Sampling of Geosynthetic and Rolled Erosion Control Products (RECPs) for Testing ASTM D4354 – 12: Scope, Instrument and procedure

DURATION: Two days, at ATIRA, Ahmedabad. Course timings will be 9.30 a.m. to 5.00 p.m.
The total charges are to be paid in advance.

VENUE	DATE	PROGRAMME FEES
	30 th & 31 st July 2019	
ATIRA,	27 th & 28 th August 2019	For maximum 3 participants
Ahmedabad	26 th & 27 th September 2019	Rs. 20,000/- + GST @ 18%
	13 th & 14 th November 2019	
	10 th & 11 th December 2019	

COURSE No.4: “Testing of Composites Material“

FOR:

FACULTY: Hitesh Solanki

FOCUS:

- Introduction to various National and International Testing Standards used in Composites Testing
- Specimen Preparation
- Mechanical Testing:-

Theory and Practical Tests on below tests

Tensile, Compression, Flexural, ILSS, Lap Shear, Ultimate Bearing test, Barcol
Hardness, Izod/Charpy Impact test, Drop weight impact tests, Density, Water absorption

- Heat and Flame Tests:-

Glass content/Fibre volume fraction, Flammability, Limiting Oxygen, Toxicity test,
Ignitibility (Single flame source test), Cone Calorimeter, Smoke density chamber

DURATION: Two Weeks. Training will be held at ATIRA, Ahmedabad
Course timings will be 9.30 a.m. to 5.00 p.m

DATE/S: Date will be finalized with the mutual understanding between the client and ATIRA

CHARGES: Rs.40,000/- + 18% GST. The total charges are to be paid in advance
For Students Rs.16,000/- + GST @ 18%. The total charges are to be paid in advance

COURSE No. 5: “Effective Operation of Latest Testing Instruments”

Day 1: Fibre Testing Instruments: HVI & AFIS

Day 2: Yarn Strength Testing Instruments: Tensojet & Statimat-M/UTR-3

Day 3: Yarn Evenness Testing Instruments: Uster Tester-4 (UT-4)

Day 4: Yarn Hairiness and Lint Shedding Propensity (Fly Generation) Testing: Zweigle Hairiness Tester and CTT (Constant Tension Transport)

FOR: Testing Operators, SQC/R&D Staff

FACULTY: Jigar Dave

FOCUS

- Introduction to latest instruments
- Working principle and operation
- Handling and care for trouble free working
- Analysis of output parameters
- Hands on operation on the Q.C. Instruments

DURATION: Four day.

CHARGES: The charges given below is for Rs.7, 000/- + GST @18% for one person for one day. The total charges for four days are Rs.28,000/- + GST @18% for one person.

VENUE	DATE	PROGRAMME FEES
	17 th to 20 th September 2019	
ATIRA,	22 nd to 25 th October 2019	Per Day for 1 Participant
Ahmedabad	5 th to 8 th November 2019	Rs.7000/- + GST @ 18%
	10 th to 13 th December 2019	

- ☞ Course timings will be 9.30 a.m. to 5.00 p.m.
- ☞ Fees shall include handouts and lunch.The total fees to be paid in advance.
- ☞ Mills may depute appropriate persons to the programme independently.
- ☞ Mills can opt for either one, two or all days depending on their requirements.

COURSE No.6: “Composites Materials”

FOR:

FACULTY: Ruhi Kumari

FOCUS:

- Introduction to Composites
- Application & Development of Composites
- Study of Pultrusion
- Practical in Pultrusion
- Study of FIC
- Practical in FIC
- Study of Vacuum Infusion Process
- Practical in Vacuum Infusion Process
- Practical in Composite Testing

DURATION: Five days at ATIRA, Ahmedabad
 Course timings will be 9.30 a.m. to 5.00 p.m.
 The total charges are to be paid in advance.

VENUE	DATE	PROGRAMME FEES
	27 th to 31 st August 2019	
ATIRA, Ahmedabad	17 th to 21 st September 2019	For 1 Participant
	15 th to 19 th October 2019	Rs. 20,000 /- + GST @ 18%
	26 th to 30 th November 2019	
	17 th to 21 st December 2019	

COURSE No.7: “Basic of Textiles in Weaving”

FOR: Managers / Entrepreneurs / Traders

FACULTY: Hasmukhbhai Patel

FOCUS:

- Various textile fibres and their classification and properties
- Basic Ginning & Spinning process outline
- Types of yarn and their characteristics
- Yarn Calculation – yarn count, denier, etc.
- Weaving preparation process – winding, warping, sizing, drawing
- Weaving process – types of looms
- Shuttleless weaving looms – outline – features
- Type of fabric
- Structure of some textile fabric, plain, twill, satin, mock leno, broken twill etc.
- Fabric calculation
- Fabric defects
- Fabric costing
- Maintenance of High-speed Looms
- Quality Control on Looms

DURATION: Daily two hours (8 days) at ATIRA, Ahmedabad

DATE/S: Date will be finalized with the mutual understanding between the client and ATIRA

CHARGES: Rs.8,000/- + GST @ 18% The total charges are to be paid in advance

COURSE No.8: “Basic of Fabric Preparation Dyeing and Printing”

FOR: Entrepreneurs / Traders

FACULTY: Dr. K.C. Gupta and D.S. Trivedi

FOCUS:

1. All the process like desizing, bleaching and Mercerization will be covered.
2. Different method of dyeing and different dyes will be covered.
3. Problem associated with dyeing will be discussed.
4. Fabric printing machine and style of printing will be covered.
5. Finishing Process Like stantefinish, calandring, peaching, Sanforizing etc will be covered.
6. Any problem related to fabric defect etc will be discussed.

DURATION: 5 to 6 full days OR 12 half days at ATIRA, Ahmedabad
Course timings will be 9.30 a.m. to 5.00 p.m.

DATE/S: Date will be finalized with the mutual understanding between the client and ATIRA

CHARGES: Rs.15, 000/- + 18% GST .The total charges are to be paid in advance.

COURSE No.9: One-day In-house Training Programme on “Positive Attitude and Behaviour Change” in Textile Units

FOR: Personnel, Jobbers, Fitters, Helpers and Operators

FACULTY: U.M. Galiwala

FOCUS:

KNOW YOURSELF:

- Self-development – social, spiritual, economical and personal
- Duties and rights for yourself, family, society, industry and nation
- Know your strength and weakness
- Importance of positive attitude

KNOW YOUR ROLE:

- Importance of your contribution to the industry
- Your new role
- How to take work from man and machine
- How to become a effective operator

BEHAVIORAL SKILL:

- Industrial Developments
- Understanding of Industrial Development
- Industrial Discipline
- Interpersonal Relations
- To adopt good things and leave bad for Industrial Development
- Team Building and team work
- Resistance to change, why change is required?
- Art of Listening
- Effective Communication, Types of Communication
- Housekeeping

Training Method: Classroom, Training will be in Gujarati or Hindi language.

Date/s: Mutually convenient between participant mill and ATIRA. A group maximum 20 operators are suggested in on batch.

Duration: Depending upon the number of operators.

Charges: Our charges for this training programme is Rs.10000/- per day + 18% GST + TA/DA as actual. The mill has to make arrangement for lodging/boarding at convenient place and local transportation for ATIRA faculty that is to be born separately by the mill. All the charges are to be paid in advance.

Facility: To conduct the training a room big enough (Conference Room) to accommodate a seating of 20 participants. The room should be a place free from outside disturbances. The room should have good blackboard fixed on the wall, provisions for chalks and a duster also need to be made. Multi-media with Laptop need to be arranged for presentation.

COURSE No.10: “Shopfloor Operative Training for Spinning Mills”

FOCUS:

B/R

- Contamination
- Fibre sorting
- M/c knowledge
- M/c parts cleaning
- M/c operative performance

C/P

- Function and knowledge of Machinery parts
- Machinery parts cleaning Knowledge
- Piecing (Fibre)
- Shopfloor practical

D/F

- Function and knowledge of Machinery parts
- M/c parts cleaning knowledge
- Sliver ;piecing practice
- M/c handover
- Speed practice

S/F

- Function and knowledge of Machinery parts
- M/c Roving Piecing practice
- M/c cleaning
- Shopfloor m/c handover and Practice

R/F

- Function and knowledge of Machinery parts
- Objective training of Machine
- M/c piecing, gaiting, creeling And doffing practice
- M/c cleaning practice

Piecing

- Piecing knowledge
- Piecing process
- Piecing practice and speed

Doffing

- Doffing knowledge
- Doffing process
- Doffing practice and speed

Creeling

- Creeling knowledge
- Creeling process
- Creeling practice and speed

Gaiting

- Gaiting knowledge
- Gaiting process
- Gaiting practice and speed

**House-Keeping
Safety**

 Duration: 20 days

 Charges: Rs.3000/- per day + 18% GST and TA/DA

COURSE No.11 : “Skill Development Technical Training for Weaving Operators”

The objective of this Training program for weaving operators is to develop technical Skills & Attitude regarding their Job. We offer special training to weavers for increase job skills and positive attitude and behavior change which help to increase productivity and Quality. A little investment on this program can change worker’s attitude, behavior, personality which can lead them towards maintaining industrial discipline, inter-personal relationship and team building. With their improved behavior skills and attitude, the mill can reap substantial benefit from such important program. Ultimately, work culture relates to working efficiency and hence to profitability of a mill.

Conducting the Training:

This is a **ten days** training programme which is to be conducted at ATIRA, Ahmedabad. The training will be given in Gujarati or Hindi language. The programme date/s will be finalized mutually convenient between participant mill and ATIRA. The programme timings will be 9.30 a.m. to 5.00 p.m.

Content of the Training:

- (1) Company Profile
- (2) Type of Yarn used in Company & identification
- (3) Yarn faults & Cone Faults
- (4) Type of the Loom & loom Motions
- (5) Knowledge about Weavers Job
 - A) Type of knots
 - B) Duties of Weavers
 - C) Mending Of Warp Breaks
 - D) Mending of Weft breaks
 - E) Causes of Warp breaks & Weft breaks
 - F) Types ,Causes & remedies of fabric faults
 - G) Calculation of production and efficiency of loom
- (6) Efficient & effective work method of good weaver
 - A) Taking & giving charge of loom at shift change
 - B) Types of loom patrolling & check points of patrolling
 - C) Handling of interference situation
 - D) Trouble shooting
 - E) Hints for effective weaver
- (7) Advance knowledge for weaver
 - A) Reasons for low efficiency
 - B) Importance of quality
 - C) Importance of good House Keeping & material handling method (5 S , House Keeping)
 - D) Importance of lubrication
 - E) Importance of Maintenance
 - F) Importance of Safety
- (8) **PRACTICALS**
 - Weavers Knot Practice
 - Ends Drawing Practice

(9) KNOW YOURSELF:

- Self-development – social, spiritual, economical and personal
- Duties and rights for yourself, family, society, industry and nation
- Know your strength and weakness
- Importance of positive attitude

KNOW YOUR ROLE:

- Importance of your contribution to the industry
- Your new role
- How to take work from man and machine
- How to become a effective operator

BEHAVIORAL SKILL:

- Industrial Developments
- Understanding of Industrial Development
- Industrial Discipline
- Interpersonal Relations
- To adopt good things and leave bad for Industrial Development
- Team Building and team work
- Resistance to change, why change is required?
- Art of Listening
- Effective Communication, Types of Communication
- Housekeeping

Training Charges:

Our charges for this training programme is Rs.4,000/- per day + GST @ 18%. The training will include Tea/lunch on all the ten days and certificate will be given on completion of the training programme. The training fees in full will have to be paid in advance through NEFT or DD in favour of ATIRA.

COURSE No.12: “Practical Training Programme in Pultrusion Process”

FOR:

FACULTY: Ruhi Kumari and Subhashish Pal

FOCUS:

- Pultrusion Line and Layout
- Brief description of Pultrusion Process
- Raw material Requirement
- Die Set-up
- Resin Preparation
- Process Control

CITY	DATE	PROGRAMME FEES*
ATIRA, Ahmedabad	1 Month duration Date/s will be finalized as per the mutual understanding with the client	
		Rs.21240/- per participant

NOTE:

- Venue at ATIRA is ATIRA, Ahmedabad
- All the Programme timings will be 9.30 a.m. to 5.00 p.m.
- We will confirm the programmes in locations outside Ahmedabad, if we get minimum of 15-20 participants registered.
- All the programmes are non-residential
- All the programme fees to be paid in advance only

For further details please contact:

Mr. U.M. Galiwala

Programme Coordinator

ATIRA, P.O. Ambawadi Vistar, AHMEDABAD 380015

Tel: (079) 26307921-22-23, 2630513195, 26305132; Extn: 365 / 373, Mobile: 9879194797

Fax No.: (079) 26304677, 26301969; E-mail: training@atira.in

**Ahmedabad Textile Industry's Research Association
P.O. Ambawadi Vistar
Ahmedabad 380015**

Training Programme Nomination Form

Training Programme on: _____

Training Programme Date: _____

Training Programme Venue: _____

PARTICIPANT'S PROFILE

Sr. No	Name of the Participant	Designation	Qualification	Experience Year/s

Name of the Mill/Factory/Unit: _____

Official Address: _____

Telephone: _____

Mobile: _____

E-mail: _____

Fax: _____

Language Known: _____

Expectations from the Programme:

Payment Details:

NEFT or RTGS Transaction No.: _____ Date: _____

Drawn on Bank _____

Amount (INR) _____ (in words) _____

GST Registration No.: _____

Signature of the Participant / Sponsoring Authority of Organization Date: _____

E-mail ID and Mobile of Sponsoring Authority: _____

Bank Details for Payment through NEFT/RTGS

Name : Ahmedabad Textile Industry's Research Association
Address : P.O. Ambawadi Vistar, Ahmedabad 380015
Pan No. : AAATA3045R
Bank Name : Kotak Mahindra Bank Limited
Branch Name : Satellite Branch
Branch Address: Shop No.6 & 7, Shidhivinayak Complex
Shivranjini Char Rasta, Satellite, Ahmedabad 380015, Gujarat, India
Account No. : 7212148230
Account Type : Savings Account
MICR Code : 380485004
Branch Code : 0810
RTGS/NEFT-IFCS: KKBK0000810
SWIFT Code : KKBKINBB

Please return this form to:

Mr. U.M. Galiwala**Programme Coordinator**

ATIRA, P.O. Ambawadi Vistar, AHMEDABAD 380015

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