PROSPECTUS

SMA RIZVI TEXTILE INSTITUTE

A JOINT PROJECT OF TMA AND TDAP GOVT. OF PAKISTAN
VISION

To foster high quality education in textile and produce enlightened citizens with strong moral and ethical values that build a tolerant and pluralistic society rooted in the culture of Pakistan.

MISSION

To provide skilled manpower to the textile industry.
Professional education is an indispensable prerequisite for the success of any country. For Pakistan, textile education, in particular, weaving and wet-processing technologies are simply inescapable if we are to gain good international standing. In order to impart meaningful and pragmatic education to our children in textile, we need institutions of quality learning where standards should satisfy the international benchmarks.

SMA Rizvi Textile Institute was established exactly with this aim in mind. I am sure that the institute will live up to its reputation by remaining committed to its motto to prepare the students to become competent supervisors and managers and professionals of tomorrow.

Syed Masood Ali Rizvi  
Founder Chairman and Patron-in-Chief  
Towel Manufacturer’s Association of Pakistan  
Chairman, Board of Governors  
SMA Rizvi Textile Institute
Alhumdolillah! It is a matter of great pride and pleasure for us that the first batch of our three years DAE programme is passing out. It will not be out of place to mention that this institute has developed its excellence gradually in textile education since 1996. In this connection I would like to draw the attention on the dedicated and untiring efforts of our founder S. M. A. Rizvi Sahab, the Chairman Board of Governors, chairman TMA Mr. M Muzammil Hussain, chairman Executive Committee Mr. Waqar Alam and other members of the board.

Sensitive periods are the periods in children's lives when they have an unusual capacity to acquire skills. After matriculation and intermediate levels students have these capabilities and skills and is the right time to trained them for these skills. Technical and professional education is a prerequisite for success. Textile sector in Pakistan is the most potential area where we need technical and professional education and skill development.

SMA Rizvi Textile Institute is one of the most prestigious textile institute of Pakistan with highly equipped weaving, processing and testing laboratories; beside DAE programme we have already started BS programme in textile weaving and processing in affiliation with University of Karachi, further we are introducing series of short courses for fresh and working matriculates and intermediates to provide skilled manpower. We are starting commercial testing for textile and technical guidance to textile mills.

I am confident that this institute will continue to impart quality education producing competent textile personnel and professionals for tomorrow.

Dr. Shoib Arif
Director
Textile industry in Pakistan was and still is in short of skilled and trained manpower. This is mainly due to acute shortage of qualified technical personnel on the other hand, the textile is by far the most important sector of Pakistan. It contributes about 67% to export earning and 35% to labour force. Pakistan is facing a hard competition in textile exports. The sustainability of Pakistan's share in the world market largely depends upon the quality of manpower. Textile education must be targeted to provide quality human resource to the textile industry. The delivery time, reliability, consistency, right-first-time (RFT) and just-in-time production, brands and marketing, knowledge of environmental issues and most importantly, the cost effectiveness are the key factors to be addressed. All these objectives can possibly be achieved with the help of sufficiently qualified and trained technicians. Unfortunately our human resource productivity is not up to the mark and we are lacking technically qualified manpower to face the challenges of the time. Modern technology is being adopted by the textile industry and to cope with this modernization, the human resource will have to be equipped with the latest trends and knowledge.

To fill this gap Towel Manufacturer's Association and Export Promotion Bureau (Now called Trade Development Authority of Pakistan, TDAP) ventured to setup an institute to offer teaching and training the technologies directly related to textiles for the survival, as well as growth of textile industry.

SMA Rizvi Textile Institute was established in 1993 with the aim of providing quality education in the field of Textile (Weaving and Wet Processing Technologies). The unique blend of the curriculum and a highly qualified faculty enables the institute to provide a favorable environment for grooming its students. Its academic programs prepare the students to meet the challenges of business in textile industry. The institute provides a healthy and congenial environment for an extensive program of interaction of students with professionals from the industry.

The institute has continuously improved its facilities and faculty to impart the best possible training to the students. It houses the state of the art machinery. Presently we have the best technical facilities available in weaving, wet-processing and physical testing.
At the institute, a meaningful curriculum and training methodology is developed which will equip students with the subject knowledge and personal skills needed to succeed in a rapidly changing world. The time table of students is fairly full with lectures, tutorials and practical classes. There are ample opportunities for the students to test experimentally at lab scale and bulk scale in pilot plant, the concepts introduced in the lectures. Library, computer learning and hands-on mill training are normal ingredients of our course structure.

Since a degree/diploma has never been an automatic passport to a job, we see the career development of our students as an integral part of our specialized courses, which are geared to the needs of business. As a result of this teaching and training technology, employment prospects for students are particularly good. The prospects/emoluments normally offered to our fresh DAE graduates are much higher than the ones offered to a Medical or an Engineering graduates. All our students who have completed their courses of studies, get immediately well placed in various textile mills and multinational companies. They are working with dedication in their respective areas of assignment and contributing to the economic growth rate of the country.

SMA Rizvi institute has a purpose built campus with more than 26,000 sq. ft. covered area located in the center of Korangi industrial area Karachi. Institute is fully equipped with modern education facilities, an extensive library, computer lab, a CAD/CAM lab, the science and textile laboratories, testing lab and pilot plant for hand on training in peaceful and stimulating environment.

The recent induction of modern state of the art equipment in both weaving, dyeing and testing laboratories is certainly an encouraging indicator. These machines are being used to train students and workers from the industrial sector.

Foreseeing what will happen in near future in terms of accommodation of students, we have gone through the phase of expansion of building and other facilities.

We would like to emphasize here, that our institute is also service oriented. We provide latest technical guidance to textile mills on optimization of processes and on matters of technical nature to meet the requirement of overseas buyers on export quality.
# GOVERNING BODY

## Board of Governors

Mr. S. Masood Ali Rizvi  
Chairman & Founder Member

Mr. Feroze Alam Lari  
Vice Chairman & Founder Member  
Afroz Textile Industries (Pvt.) Ltd.

Mr. Abdul Razak Teli  
Founder Member  
Nakshbandi Industries Ltd.

Mr. Tahir Jahangir  
Founder Member  
Hala Enterprises

Mr. Azad A. Khan  
Founder Member  
International Textile Ltd.

Mr. Waqar Alam  
Founder Member  
Pearl Fabric Company

Mr. S. Usman Ali  
Founder Member  
Silver Textile Factory

Mr. Nisar Ali Ahmed Bhagat  
Founder Member  
Mustafa Industries

Mr. Zahid Maqbool  
Founder Member  
Sajid Textile Industries (Pvt.) Ltd.

Mr. Nasim Ahmed  
Member  
Shahi Textile

Mr. Perwez Ahmed  
Member  
Feroze Textile

Representative of TDAP  
Member

Chairman TMA  
Ex-officio Member

## Executive Committee

Mr. Waqar Alam  
Chairman

Mr. Feroze Alam Lari  
Member

Mr. S. Usman Ali  
Member

Mr. Nasim Ahmed  
Member

Mr. Nisar Ali Ahmed Bhagat  
Member

Mr. M. Muzzamil Hussain  
Member

Mr. Tahir Jahangir  
Member

Director SMA Rizvi Textile Institute  
Ex-officio Member
Permanent

Dr. Shoiib Arif
Director / Professor Coloration
Ph. D. Organic Chemistry

Abdul Majid Qureshi
Assistant Professor, Textiles
B.Sc. Textile Technology

Fawad Khalid
Senior Lecturer (Weaving)
B.Sc. Textile Engg.

Rafik Riaz
Lecturer Physics
M. Sc. (Space Physics)

Iqbal Ali Imam Zaidi
Lecturer Technical Drawing
B. Tech. (Pass), B. Tech. (Honors)

Zahoor Ul Hasan Awan
Lecturer Textile Engineering
B.E. Mechanical

Muhammad Navaid Alam
Lecturer Mathematics
M. Sc. (Applied Mathematics)

Muhammad Asif Uddin Khan
Lecturer Textile Chemistry
M. Sc. Applied Chemistry

Fawwad Qureshi
Lecturer Computer
BCS

Zafar Khan Ghori
Lecturer Chemistry
Bachelor of Chemical Technology (Textile Testing)

M. Wasif Kamal
Lecturer Chemistry
MSC. Chemistry & MSC. Environment

S. Iqbal Husain
Lecturer Islamic Studies
M.A Islamic Studies

Mehboob Hassan
Lecturer English
M.A English

Visiting

S. Qutbuddin Haider
Lecturer Management
MBA
The SMA Rizvi Textile Institute is fully equipped with modern educational facilities. It has large open space and lawns that help in creating a beautiful and peaceful environment for the students. The diversity of students at the SMA Rizvi Textile Institute provides a stimulating and a lively environment. The Institute offers spacious lecture rooms, a well-equipped computer lab., library in addition to the facilities of vide and spacious canteen and indoor games etc.

The institute is constructed on an area of 5556 sq. yards.

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<thead>
<tr>
<th>DATA OF BUILDING</th>
<th>Sq. Feet</th>
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<tbody>
<tr>
<td>Total Built-up area</td>
<td>26,026</td>
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<tr>
<td>Administration and teaching wing floors</td>
<td>16,157 x 3</td>
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<tr>
<td>Pilot-Plant (Wet-Processing &amp; Weaving)</td>
<td>9,869</td>
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<tr>
<td>Auditorium with a capacity of 250 seats</td>
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LIBRARY

The SMA Rizvi Textile Institute has a good collection of books. It houses thousands of books on different subjects which fall under the category of text book, reference books and light reading. Besides this, the institute's library subscribes to many national and international journals on textile to meet the academic requirements of the students. It has direct online link with library which allows the students to access the database of both national and international textile industry. In addition, the library is going to subscribe different magazines on a variety of topics such as economics, communication, information technology, textile and business and other topics of general interest.

TRANSPORT FACILITY

The transport available from different points of the city.

RECREATIONAL FACILITIES

Recreational facilities provided to the students of SMA Rizvi Textile Institute are based on the concept that a healthy mind requires a healthy body. Recreational and entertainment facilities have been incorporated into the institute environment. It offers indoor games e.g. table tennis, badminton etc. to the students, however, the students can also play cricket, hockey, football and volleyball using other grounds/stadiums which may be made available at the request of the students.

OTHER FACILITIES

Spacious and well-designed classrooms with modern teaching facilities. Subsidized lunch for students.
EXTRACURRICULAR ACTIVITIES

Students are encouraged to participate in extracurricular activities such as debates, project displays etc. Several student bodies like sports committee have been formed to encourage students to arrange and participate in such activities. This helps to build confidence and develop leadership and management skills in the students.

PERSONAL COUNSELING

Student life requires frequent adjustments to meet the demands for academic performance and achievement. Students who are facing personal problems or difficulties in coping with these demands may seek counseling through the Student Resource Office which is fully equipped to provide advice, guidance and supporting all administrative issues, personal problems, examination stress etc.

CAREER COUNSELING

Many students require career counseling in order to fully exploit their talent. Our Student Resource Office is equipped with valuable information on a wide range of occupations, employers, overseas opportunities and future study options. This office also provides:

- Advice on how your options might affect your career choice
- Information and guidance on internship and placement
- Individual counseling and workshops on career choice, applications, interviews etc.
- Guidance on higher studies
ACADEMIC COUNSELING

Academic counseling is available to students through the assigned faculty members called "Program Coordinators". Students are encouraged to seek guidance on academic matters from their respective "Program Coordinators" as required from time to time. The academic counseling system has been developed to ensure that students get timely support on their academic curriculum throughout their program of study. The program coordinators schedule and coordinate all academic activities of the institute and serve as the backbone of academic operations.

STUDENT FEEDBACK

The management obtains feedback from the students about their courses each semester. The students rate the courses in terms of the quality of instruction, contents, extent of coverage, use of teaching aids etc. This is in accordance with the criteria set by Higher Education Commission. This information is combined with the evaluation of courses by peer faculty and departmental heads to obtain a consolidated view of faculty and teaching. These evaluations greatly help in the development of the faculty and the course contents.

COURSE OUTLINES

Course outline have been developed in a scientific manner with extensive consultation among the faculty, industry experts and prominent professionals. These are reviewed each semester keeping in view the demands of the industry and the latest trends and technologies.
LABORATORIES

Wet-processing And Physical Testing Laboratory

Whirlpool Dryer, USA
Creda Tumble Dryer
Washem-PA2,
Elmandorf Tear Tester,
Crease Recovery Tester,
Crock Meter
GSM Cutters,
Spray Rating Tester
Tensile Tester, Testomicer, UK
Verivide Light Cabnet CAC-60
Martindale Abrasion and Pilling Tester
Two Perspirometers,
ICI pilling tester

Following Local made machines are also a part of our wet-processing laboratory

HT dyeing Machine
Atmospheric dyeing machine, DK type
Two bowl Padder (for dyeing)
Two bowl Padder (for finishing)
Water baths for pot dyeing, China made
Electronic weigh balance
Hot plates

Pilot Plant
Boiler 600 Kg/Hr. at W.P 150psi
Kier 50 Kg
Winch 25 Kg
Jigger 50 Kg
Tumble Dryer 25 Kg
Rope Washing Machine
Hydro extractor
Lab scale steamer
Printing table/screens
Two Bowl Padders

Computer Color Match Prediction System
(CCMPs) Spectrophotometer from Data
Color USA
Pyrotec 2000 series, Two Bath Infra- Red
Dyeing
Pin Frame Oven /Steamer, TFO/S. Series
(500mm width),
Padder BVP (500 mm width),
Printing Table
Mini Thermo (350mm width),
CPS (Chemical Pad-Steam) Continuous
Steamer,
Wascator FOM 71 CLS, Electrolux, Sweden
Whirlpool Washer, USA
Computer Lab

The computer lab at the SMA Rizvi Textile Institute is equipped with over 60 state-of-the-art computers and other training aids. The lab and other office computers are connected to powerful servers through a Local Area Network. The network makes database information available to management as well as students, in accordance with their access rights.

The computing infrastructure consists of a campus LAN which connects the lab to the administration networks and provides access to SMA Rizvi Textile Institute's management information systems with high power e-mail and web services, as well as network, database and other services fulfills instruction and administration needs.

Weaving Laboratory

- Rewinder 12 drums
- Pirl winder 25 spindles
- Sectional warper
  - Creel capacity 320 packages
  - Winding drum size 130"
  - Winding drum dia 1.6 meters
- Drawing-in stand
- Card Punching machine

Vamatex Rapier Terry Loom

Model : Leonardo Dynaterry
Loom Size : 190 cm
Machine Type : Flexible ribbon weaving with negative rapiers.
Shedding Motion : The machine can be fitted with fimtextile RD 860S rotary doby with electronics reading 20 frames.

Beam Type : 800 mm Ground Beam, 1000 mm pile Beam with electronic computer design.

Shuttle-Less Looms

- Dornier Airjet Terry Loom
  - Model or Serial # : 03609 course
  - Machine Type : LTNF / 4/S
  - Normal Width : 260 cm
  - Shedding Motion : can be fitted with staubli doby
  - Beam Size : 1000 mm Ground 2150 mm pile beam

Smit Rapier Terry Loom

Loom size : 220 cm
Type of Loom : SMIT G6300.
Flexible Ribbon Rapiers 8000mm
Ground Beam,
Beam Size : 800mm Pile Beam
With electronic computer design.
Power Looms
- Plain Loom, size 80" - 1x4 drop box with plain tappets
- Terry Loom, size 76" - Auto cop change with cross-border doby Terry Loom, size 76" - with 1x4 drop box, 12 levers cross-border doby. With 900 hooks jacquard

Bonas Electronic Jacquard
Type of Jacquard: 1/1344 Bonas CSJ
- Double lifting arms provide smooth running at higher speeds.
- Robust build gives stability to lift heavier loads.
- Over 50 shedding positions give maximum flexibility

CAD / CAM Design Studio
- CAD/CAM system for weaving with EAT victor software from Germany (4 sets)
- CAD/CAM system for printing with DGS Ramsette III software from Italy (2 sets)
- CAD/CAM system for weaving and printing (NedGraphics), France 11 stations.
- Scanner (Networked with weaving and printing CAD/CAM system)
- Printer (Networked with weaving and printing CAD/CAM system)

Workshops
Electrical and mechanical workshops and a well furnished drawing hall equipped with all necessary instruments
PROGRAMMES OF STUDIES

The institute offers three (3) years Courses of studies leading to the “Diploma of Associate Engineer (DAE)” approved by Sindh Board of Technical Education

Title of The Courses
- Diploma of Associate Engineer (DAE) (Textile Weaving)
- Diploma of Associate Engineer (DAE) (Textile dyeing & printing)

Duration of Courses

Total Credit Hours
- 69 Hours in Textile Weaving
- 68 Hours in Textile Wet-Processing

Internships
- 2 Months (Summers Session)

Requirement of Entrance
- Matric (SSC) Science
- F.SC (HSC) Science
  As per Sindh Board of Technical (SBTE) Rules.

Fee Structure

Prospects and Admission Form
Entry Test Fee
Admission Fee
Annual Tuition Fee
Examination Fee per year
Library Deposit (Refundable)

Rs 200
Rs. 200
Rs. 2000
Rs. 18000/- (@ Rs1500 per month)
As per SBTE rules
Rs. 1000

The fee is payable yearly basis in advance through Cash or Pay Order favouring “SMA Rizvi Textile institute” A/c # 1622 - 3 M.C.B. Korangi industrial Area Branch, Sector - 24, Korangi industrial Area, Karachi.

Financial Assistance

Financial aid to the deserving applicants shall be granted in each year, based on their financial need and academic performance

Final Decision

In all affairs like selection of student, assessment of student’s performance, financial assistance and disciplinary matters, the decision of the Institute shall be final.
## Textile Weaving

### 1st YEAR

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**Total**  
15 | 24 | 22 |

### 2nd YEAR

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**Total**  
17 | 21 | 24 |
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**Total** 15 24 23

### Textile Wet-processing

### 1st Year

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<td>8. TT 242 Yarn Formation</td>
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<td>2</td>
</tr>
<tr>
<td>9. TT 242 Fabric Formation</td>
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### 3rd Year

<table>
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<th>Subject</th>
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<th>P</th>
<th>C</th>
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</thead>
<tbody>
<tr>
<td>1. GEM 311 Islamic Studies &amp; Pakistan Studies</td>
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<tr>
<td>2. MGM 321 Industrial Management &amp; Human Relation</td>
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<td>3. TD 313 Textile Testing &amp; Quality Assurance</td>
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<td>3</td>
<td>3</td>
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<tr>
<td>4. TD 322 Textile Engineering</td>
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<td>3</td>
<td>2</td>
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<tr>
<td>5. TD 335 Coloration – 11</td>
<td>3</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>6. TD 345 Textile Printing &amp; Finishing</td>
<td>3</td>
<td>6</td>
<td>5</td>
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<tr>
<td>7. TD 351 Color Science</td>
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<td>1</td>
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<tr>
<td>8. TD 362 Color Matching &amp; Practical Dyeing</td>
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<td>2</td>
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<tr>
<td><strong>Total</strong></td>
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</tbody>
</table>
The following Rules and Regulations formulated by Sindh Board of Technical Education will be following for Diploma of Associate Engineer (DAE)

1. General Rules

(a) DAE Examination will be held twice a year on annual basis, termed as Annual & Supplementary examination

(b) Eligibility to appear in the Examination

- Enrolment in the institution
- Registration with the Board
- Attendance requirement 80%
- Not involved in any bad conduct/ill discipline
- Satisfactory performance in the institutional examinations

(c) One contact hour of theory or three contact hours of practical carry one credit of 50 marks

2. Assessment Rules

- Passing marks for theory 40%
- Passing marks for practical 50%
- Both components theory and practical will have to be passed to clear a course
- The candidate will be needed to re-appear only in the failed component
- A candidate passing sessional part will not be required to repeat that part
- SBTE will conduct the theory part of examination
- Distribution of marks FOR practicals is follows
- Sessional 40%
- Final Practical 60%
- Absence for whatever reason from exam will be considered as failed

3. Promotion Rules

A student will be promoted to the next class if he/she passes all the prescribed

1st Year

- The admission /registration of a first year student who fails in all courses, will be canceled.
- Student passing in less then four courses in annual examination will not be promoted to 2nd year
- Student passing at least four courses in annual exam; will be promoted provisionally to 2nd year He/She will be allowed to attempt in three consecutive examinations to clear failed courses otherwise his/her registration will be cancelled.

2nd Year

- A student who does not pass at least four courses will not be promoted to 3rd year
- He/She will be required to appear as a private candidate in next three consecutive exams
- A second year student passing at least four courses will be promoted provisionally to third
3rd Year

A third year student passing all the first year courses and at least four second year courses will be eligible to appear in third year annual examination. In case of failure, he/she will have to clear the failed courses in four consecutive examinations failing which he/she will have to re-appear in third year.

4. Award Of Diploma

The successful candidates will be placed under the following categories:

- A-1 grade: 80% or more
- A grade: 70-79%
- B grade: 60-69%
- C grade: 50-59%
- D grade: less than 50% but pass in all subjects

5. Institutional Examination / Test

- The institute will conduct one send up examination each for the First Second & Third year classes at the end of each session.
- The student has to appear in all the theory subjects and to show satisfactory performance.

6. Attendance Rules

- 80% attendance is mandatory to be eligible to appear in the examination.
- The Principal may condone up to 10% of shortage on the basis of only genuine ground.
- No examination form or fee shall be accepted by the SBTE unless it is routed through the Principal.

7. Special Chance

No special chance shall be given to any candidate under any circumstances after he/she has availed the prescribed number of chances.

8. Admission to Another Diploma Course

After having qualified for the award of DAE in one technology, admission for second diploma in another technology/course is not allowed.

SHORT COURSES

For continuing professional development, the institute offers serious of programme of short courses on weaving wet-processing and textile testing for fresh and working intermediate and matriculates.
01. Nakshabandi industries
02. Feroze Textiles
03. Afroze Textiles
04. Gul Ahmed Textiles
05. Al Karam Textiles
06. Al Abid Silk Mills
07. Liberty Textile Mills
08. Nina Industries
09. Younus Brothers Textiles
10. Hala Industries, Lahore
11. Pearl fabrics company
12. Hamsons
13. Silver Textile Factory
14. Shahi Textiles