



# Prospectus

2007-08



## INDIAN INSTITUTE OF CARPET TECHNOLOGY

( ISO 9001 : 2000 Certified )

Under the aegis of the Development Commissioner (Handicrafts), Ministry of Textiles, Govt. of India  
Affiliated with U.P. Technical University & Approved by AICTE, Govt. of India

Chauri Road, S.R.N. Bhadohi - 221401 Website: <http://iiict.ac.in>



## Vision

To build a rich intellectual potential among the faculty, staff and students so that all can contribute to the sector in particular and society in large to create a niche for successful industry - institute interface

## Mission

Create an environment where values and ethics thrive along with a never ending quest for knowledge, skills and value addition. To provide knowledge embedded with culture and humility to all the stakeholders



## Quality Policy of IICT

- To provide qualitative education to our students which targets to meet the anticipated requirements of stake holders.
- To render timely and satisfactory service in all portfolios to the industry and all other stakeholders.
- To improve our quality management system on continual basis through complying with the requirements of this standard.

Sd/-  
Director,



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Indian Institute of Carpet Technology popularly known as IICT is only of its kind in Asia, has been set up by Ministry of Textiles, Govt. of India as a registered Society under the Society Registration Act 1860, to provide much needed support to Textile, Carpet and allied Industries. The idea of setting up of a National Level institute in a place like Bhadohi has been a great step. The philosophy of setting up the Institute in such rural area indicates commitment of Government to serve a focused sector in almost doorstep. The Institute is running a 4-year full time B.Tech Degree Course in Carpet & Textile Technology which is exclusive in the country and approved by A.I.C.T.E & affiliated to U.P.T.U, Lucknow. Further, this course is accredited by Textile Institute, Manchester, U.K. IICT has been ISO 9001 Certified and NABL Accredited.

The Institute is committed to provide services to the Industries as per aforesaid role strategic plan by means of enabling Industries to retain their strengths (S), Remove Weakness (W), exploit opportunities (O) and combat threats (T). The long pending demand of Industries in terms of providing qualified technocrats to them is being fulfilled through the B.Tech. Technocrats in Carpet and Textile Technology produced by IICT. The institute is also a member of ISTE.

The institute is located in Bhadohi, which is about 45 Kms away from Holy City Varanasi and about 75 Kms from Prayag City, Allahabad. The campus of IICT is about 4 Kms from Bhadohi Railway Station and situated in Main Road known as Chauri Road, the outskirts of Bhadohi town, free from all sorts of pollution providing a peaceful atmosphere for studies and research.

The campus is spread over 10 acres of land comprises of State of the art Administrative building consisting spare for Classrooms, Laboratories, Conference Hall, Library, Design Studio, Museum and Workshop. Facilities like Boys & Girls Hostel, Residential accommodation for employees, Open air Theatre for performing Arts, Open space for Games, Generator and water-supply system. Certain additional facilities are under creation.



PORTFOLIOS

In order to play the role as mentioned above, the Institute has come out with certain strategic plan, which shows activities behind each role





# The Textile Institute

INCORPORATED BY ROYAL CHARTER AND INCORPORATED IN GREAT BRITAIN 1887

Upon the recommendation of the Diploma Committee and on behalf of the Governing Council, the Board of the Textile Institute agreed to accredit the following programme as fulfilling the academic requirements for the Accreditation of the Textile Institute for the inclusive period 2004 to 2008

Indian Institute of Carpet Technology, Bhadohi, India

B Tech in Carpet and Textile Technology



Chairman of Council

Honorary Secretary



# NABL

National Accreditation Board for Testing and Calibration Laboratories  
Department of Science & Technology, India

## CERTIFICATE OF ACCREDITATION

### I.I.C.T. LABORATORY

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"Good Requirements for Competence of Testing & Calibration Laboratories"

for its facilities at

**BHADOHI**

in the field of

**MECHANICAL TESTING**

Certificate Number: T-228 Issue Date: 03/03/08 Valid Until: 03/03/10

This certificate is issued on the basis of the scope of accreditation as specified in the annex to this certificate and is subject to compliance with the above standard & the additional requirements of ISO/IEC 17025.

Signed on and in behalf of NABL

Director

Head of Office

Chairman



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Signed on and in behalf of NABL

Director

Head of Office

Chairman

## Diploma / Certificate Course

under

# International Distance Learning Programme

through



International Collaboration



Certificate 00000003

to demonstrate

## Indian Institute of Carpet Technology (IICT)

Chhatrapati

U.P. - 201002, India

ISO 9001:2000

Registration No.

Product: Research & Development Services related to Carpet & Textile Technology & Carpet Design

Technical Design services for carpeting e.g. Carpeting, Sewing, Design, development, forecasting, quality control, process (for carpeting sector)

Research Services

Technological development services for carpeting & carpeting

This certificate is valid from 22 December 2002 until 22 December 2008 Issue 1 Certificate type 02 September 2008



## B. TECH. PROGRAM

The Institute started functioning academically from 2001 with B. Tech. program in Carpet & Textile Technology, which is exclusive in the country as well as in Asia. The program structure has been prepared under the guidelines of U.P. Technical University and AICTE norms for Science, Humanities and Engineering subjects to be taught in initial semesters. 3<sup>rd</sup> Semester to 8<sup>th</sup> Semester covers core subjects including projects. Core subjects take care of Textile and Carpet Technology, Management, Testing/ Quality Control and specialization in terms of Projects. The Institute has extended its existing B. Tech program providing scope for integration of additional disciplines like Home Textile Technology (HTT) and Textile Design Technology (TDT) as a specialization in the final year with increased intake from 30 to 60 and all the 60 seats have been filled up successfully.

*The details of the program as on date are as under:*

### First Semester

- Physics/ Chemistry
- Professional Communication
- Mathematics - I
- Electrical/ Mechanical Engineering
- Electronics Engineering/  
Information Technology

### Second Semester

- Environmental studies
- Chemistry/ Physics
- Mathematics - II
- Mechanical/ Electrical Engineering
- Information Technology/  
Electronics Engineering

### Third Semester

- Spinning Technology - I
- Fabric Manufacture - I
- Textile Chemistry - I
- Fiber Science - I
- Carpet manufacturing - I

### Fourth Semester

- Spinning Technology -II
- Fabric Manufacture -II
- Textile Chemistry- II
- Fiber Science - II
- Statistics & Textile Testing - I

### Fifth Semester

- Spinning Technology III
- Fabric Manufacture III
- Chemical Processing of Carpet
- Carpet Yarn Manufacturing I
- Statistics & Textile Testing II

## Sixth Semester

- Carpet Yarn Manufacturing II
- Carpet Manufacturing - II
- Carpet Testing & Quality Management
- Carpet & Textile Designing I
- Elements of Costing & Accountancy

## Seventh Semester

### Compulsory Subject

- Carpet & Textile Design-II
- Principles of Management

### Elective -1 (Compulsory for Specialization ADVANCES IN CARPET TECHNOLOGY)

- Computer Aided Textile Design & Manufacturing
- Carpet Manufacturing-III
- Chemical Processing of Carpet & Textiles

### Elective -2 (Compulsory for Specialization HOME TEXTILE TECHNOLOGY)

- Home Textile -I
- Sewing & Embroidery Techniques
- Pattern Making & Planning

### Elective-3 (Compulsory for Specialization TEXTILE DESIGN TECHNOLOGY)

- Basic Drawing
- History of Design
- Computer Aided Textile Design

## Eighth Semester

### Compulsory Subject

- Advance Fabric Manufacture
- Carpet & Textile Design-III
- Entrepreneurship & Export Management

### Elective -1

#### (Compulsory for Specialization ADVANCES IN CARPET TECHNOLOGY)

- Marketing & Merchandising of Carpet & Textiles
- Emerging Technology

### Elective -2

#### (Compulsory for Specialization HOME TEXTILE TECHNOLOGY)

- Home Textile -II
- Quality Control for Home Textiles

### Elective-3

#### (Compulsory for Specialization TEXTILE DESIGN TECHNOLOGY)

- Advance Textile Design
- Design Management

### Admission Procedure

All admission to first Year B. Tech. program are through All India Engineering Entrance Examination (AIEEE) & Counseling by Central Counseling Board (CCB), Ministry of HRD, Govt. of India.

For more details visit the following web sites : [www.aieee.nic.in](http://www.aieee.nic.in), [www.ccb.nic.in](http://www.ccb.nic.in)

Lateral entry in the 2nd yr. (3rd semester) is offered to diploma holder/ B.sc Graduates (visit IICT website for more details)

## INTERNATIONAL DISTANCE LEARNING PROGRAM (IDL P)

The institute also offers 7 diplomas & 30 certificate programs on wool, carpet & textiles through Distance Learning system in collaboration with Ag Research Ltd, New Zealand (early known as Canesis Network Ltd.). MoU between ICT, Bhadohi and Ag Research Ltd, New Zealand has signed for IDLP. The License includes enrollment for the program in India and abroad (except Australia, New Zealand, Europe and the Americas). This course has the approval from DEC IGNOU. The course is aimed at those who aspire for a career in wool, carpet and textile industry. The curriculum will comprise a totally comprehensive package covering all aspects of textiles and carpets. The IDLP program consists of :

### Topics for Diploma Course

<b>1. Diploma in Basic Textile Technology (Six Certificate topics)</b>	
Compulsory four: <ul style="list-style-type: none"> <li>• Introduction to wool and the wool industry</li> <li>• Natural textile fibres</li> <li>• Manufactured textile fibres</li> <li>• Spun Yarns</li> </ul>	Optional any two of: <ul style="list-style-type: none"> <li>• Textile dyeing and finishing</li> <li>• Woven fabrics</li> <li>• Introduction to Wool Carpet Manufacture</li> </ul>
<b>2. Diploma in Wool Scouring Technology (Six Certificate topics)</b>	
Compulsory three: <ul style="list-style-type: none"> <li>• Introduction to wool and the wool industry</li> <li>• Wool Scouring Process</li> <li>• Wool Scouring Technology</li> </ul>	Optional any three of: <ul style="list-style-type: none"> <li>• Wool characteristics and measurement</li> <li>• Wool Marketing Systems</li> <li>• Textile fibre blending</li> <li>• Woollen Carpet Yarn manufacture</li> <li>• Worsted and semi worsted yarn manufacture</li> </ul>
<b>3. Diploma in Textile Dyeing and Finishing (Six Certificate topics)</b>	
Compulsory three: <ul style="list-style-type: none"> <li>• Introduction to wool and the wool industry</li> <li>• Application of Natural dyes</li> <li>• Textile Dyeing and finishing</li> </ul>	Optional any three of: <ul style="list-style-type: none"> <li>• Textile dye selection and use</li> <li>• Textile and dyestuff chemistry</li> <li>• Textile colour</li> <li>• Dyeing machinery and mechanisms</li> <li>• Textile Printing</li> <li>• Dyehouse Operation</li> <li>• Dyeing &amp; Wet Processing of wool carpet yarns</li> </ul>
<b>4. Diploma in Carpet Yarn Manufacture (Six Certificate topics)</b>	
Compulsory three: <ul style="list-style-type: none"> <li>• Introduction to wool and the wool industry</li> <li>• Woollen Carpet yarn manufacture</li> <li>• Introduction to Wool Carpet Manufacture</li> </ul>	Optional any three of: <ul style="list-style-type: none"> <li>• Wool characteristics and measurement</li> <li>• Yarn specification and measurement</li> <li>• Textile fibre blending</li> <li>• Worsted and semi worsted yarn manufacture</li> <li>• Dyeing &amp; Wet Processing of wool carpet yarns</li> </ul>
<b>5. Diploma in Carpet Technology (Six Certificate topics)</b>	
Compulsory three: <ul style="list-style-type: none"> <li>• Introduction to wool and the wool industry</li> <li>• Introduction to Wool Carpet Manufacture</li> <li>• Advanced carpet technologies</li> </ul>	Optional any three of: <ul style="list-style-type: none"> <li>• Woollen Carpet Yarn manufacture</li> <li>• Yarn specification and measurement</li> <li>• Carpet maintenance</li> <li>• Carpet Finishing</li> <li>• Carpet performance</li> </ul>
<b>6. Diploma in Apparel Yarn Manufacture (Six Certificate topics)</b>	
Compulsory three: <ul style="list-style-type: none"> <li>• Introduction to wool and the wool industry</li> <li>• Worsted and Semi worsted yarn manufacture</li> <li>• Yarn Specification and measurement</li> </ul>	Optional any three of: <ul style="list-style-type: none"> <li>• Natural Textile Fibres</li> <li>• Textile fibre blending</li> <li>• Wool characteristics and measurement</li> <li>• Woven fabrics</li> </ul>
<b>7. Diploma in Carpet &amp; Textile Designing (Six Certificate topics)</b>	
Compulsory three: <ul style="list-style-type: none"> <li>• Introduction to wool and the wool industry</li> <li>• Introduction to Wool Carpet Manufacture</li> <li>• Designing of Carpets &amp; Textiles</li> </ul>	Optional any three of: <ul style="list-style-type: none"> <li>• Textile Colour</li> <li>• Application of Natural Dyes</li> <li>• Textile Printing</li> <li>• Natural Textile Fibres</li> </ul>

## Topics for Certificate Course

Sl. No.	Name of the Topic	Sl. No.	Name of the Topic
1.	Introduction to Wool and Wool Industry	16.	Natural Textile Fibres
2.	Manufactured Textile Fibres	17.	Spun Yarns
3.	Wool and Wool Scouring Process	18.	Wool Scouring Technology
4.	Wool Characteristics and Measurement	19.	Wool Market Systems
5.	Textile Fibre Blending	20.	Woolen Yarn Manufacturing
6.	Worsted and Semi-worsted Yarn Manufacturing	21.	Yarn Specification and Measurement
7.	Wet Processing of Wool Carpet Yarns Carpets	22.	Dyeing of Wool Carpet yarns
8.	Textile Dyeing and Finishing	23.	Textile Dye Selection and Use
9.	Textile and Dyestuff Chemistry	24.	Textile Colour
10.	Dyeing Machinery and Mechanisms	25.	Dye house Operation
11.	Textile Printing	26.	Introduction to Wool Carpets
12.	Carpet Manufacture	27.	Carpet Maintenance
13.	Carpet Finishing	28.	Advanced Carpet Manufacture
14.	Woven Fabrics	29.	Carpet Performance
15.	Natural Dyeing (IICT exclusive package)	30.	Carpet and Textile Designing (IICT exclusive package)

### Duration

Minimum duration for completing the diploma course is three years. Minimum duration for completing the certificate course is Six months. If in any case after the expiry of period of three years/ six months (as applicable); the candidate is not being able to complete the Diploma/Certificate course he/she has to register again for which a nominal fee will be charged.

### Eligibility Criterion

These courses are open to candidates who have passed tenth standard from any recognized board with mathematics compulsory subject but it is essential that the candidate must be conversant in English Language & Computer Friendly to cope up with the course material. Exposure of the relevant field is preferable.

### Admission Procedure

Candidates willing to get registered for IDLP diploma/certificate course will be required to apply on the prescribed form, which can be obtained from personally/ by post. The application form can also be down loaded from the institute website [www.iict.ac.in](http://www.iict.ac.in). Candidates may apply any time for the enrolment in any of the diplomas/ certificates throughout the year. Registration fee for these courses is Rs. 250.00, which is to be deposited along with the filled in prescribed form. Candidates applying on the application form obtainable by hand from the institute will be required to deposit the Rs. 250.00 at the time of purchase of the form, which includes registration fee also. Candidates willing to get the application form by post will be required to send a demand draft of Rs. 300.00(which includes registration fee & postage charges) in favour of Indian Institute of Carpet Technology, payable at Bhadohi drawn on any centralized bank.

### Registration

On the receipt of completed application form along with the registration fee the candidate will be registered with the institute for the diploma/certificate course and will be allotted a registration number. The candidates will be required to quote this registration number for future correspondences.

### Course Fee:

- (a) Diploma Course:  
The fee for Diploma course, which comprises of six topics, is Rs. 36, 000.00. Candidates for diploma course can deposit their course fee in installments as per details given below:
- 1<sup>st</sup> Installment: Rs. 18,000.00
  - 2<sup>nd</sup> Installment: Rs. 12,000.00
  - 3<sup>rd</sup> Installment: Rs. 6,000.00

- (b) Certificate Course:  
The course fee for the certificate course is Rs.6,000.00, which is to be deposited only in one installment.

### Study Material

All the candidates registered for the IDLP courses will be provided Study Material in the form of Right Protected CD-ROM for the course. These study materials are designed by the experts from Canesis and IICT exclusive packages by IICT & they contain all relevant information in detail. The course materials will be provided in installment for those candidates, who will deposit their course fee in installments. Each module of the course materials will contain theoretical description of that module and an assignment. The Right Protected CD- ROM to be supplied for the course is not to be copied, re-produced in any form for any other use other than studies. If at any stage of the course it is found that the any candidate found doing so he/she is liable to face severe disciplinary action, which may include legal action as per the law of land.

Note: IICT deserves the right to amend rules & regulation and notify the same in the website.

### Contact programme

The IICT Approved centres will run contact programme for various topics on specified dates. However attendance in personal contact programme is need based.

### Examination

Exams are conducted at IICT approved centres every six months. Apart from the examination every student is required to undergo an internship and has to submit a project report on the assigned topic.

### levels of attainment

Diplomas are awarded at three levels of attainment.  
pass > 70% merit >80 % distinction >90%

Proposal for considering eligibility for lateral entry to B.Tech 2<sup>nd</sup> year for the IDLP diploma holders is under consideration with UPTU

### INDUSTRY DRIVEN SHORT TERM PROGRAMS

In addition to B. Tech degree, IDLP diploma and certificate programs, IICT is also conducting short term programs in different areas like designing, weaving, dyeing and computer management for freshers/ artisans and those who are working in the industry and needs to upgrade their theoretical as well as hands on practical skills for value-added and technological contribution to the industry. The details about these programs are as under:

1. Carpet & Textile Designing/ CAD Certificate Program
2. Carpet Yarn Dyeing Certificate Program
3. Certificate Program in Computer Application & Management

The duration of the above programs is 4 months with a onetime payment of Rs. 15000/- for 1 and Rs. 10000/- for 2&3. The detailed information about the course structure and Application Form is available on institute's website: [www.iict.ac.in](http://www.iict.ac.in). Admissions in the above course are made thrice in a year Sessions : August -Nov., December-March and April-July .

## SPONSORED TRAINING PROGRAMS

The institute also conducts various 15/ 21/ 25 days- training programs on:

- Skill development cum 21 days orientation program for Artisans: Weavers, Dyers, Instructors, Supervisors etc
- 15 days workshop on Technical & Design Development.
- 25 days workshop on Technical & Design Development.

These programs are conducted on regular basis in different parts of the country such as Bhadohi, Mirzapur, Varanasi, J&K, Surat, Jaipur, Agra etc. on regular basis without any training fee. The programs are fully sponsored by O/o Development Commissioner (Handicrafts), Ministry of Textiles; UNDP, etc.

Institute offers tailor made (Need-based) training program on :

- Wool Technology: Raw material to finishing including marketing
- Carpet Technology: Introduction in Carpet Manufacturing to Advance Carpet Manufacturing.
- Textile Technology: Fibre to Fabric
- Special program on usage of Natural Fibres & Natural Dyeing.

## Skill Development based on Modular Employable Skills (MES)

### Background

The need for giving emphasis on the Skill Development, especially for the less educated, poor and out of school youth has been highlighted in various forums. The skill level and educational attainment of the work force determines the productivity, income levels as well as the adaptability of the working class in changing environment. Large percentage of population in India is living below poverty line. One of the important causes is lower percentage of skilled persons in the workforce.

The skill development at present is taking place mostly in the informal way, i.e. persons acquire skill at the work-place when they help their parents, relatives and employers etc. Such persons do not have a formal certificate and thus earn lower wages and are exploited by employers. They have come through informal system due to socio-economic circumstances of the family and the compulsions of earning a livelihood rather than attending a formal course. While their productivity is low, their contribution to the national GDP cannot be ignored. If the country can create a system of certification which not only recognizes their skills but also provides education and training in a mode that suits their economic compulsions, it will not only benefit the workforce to earn a decent living but also contribute to the national economy by better productivity of this workforce.

Another related problem to be tackled is large number of students drop outs (About 63% of the school students drop out at different stages before reaching Class-X).

### Frame work for Skill Development based on 'Modular Employable Skills (MES)

Very few opportunities for skill development are available for the above referred groups (out of school youth & existing workers especially in the informal sector). Most of the existing Skill Development programmes are long term in nature. This was essential considering their educational, social and economical background. Poor and less educated persons can not afford long term training programmes due to higher entry qualifications, opportunity cost etc. Therefore, a new frame work for Skill Development for the Informal Sector like Carpet & Textile has been evolved by IICT for consideration of DGET to address to the above mentioned problems. The key features of the new frame work for skill development are:

- Demand driven Short term training courses based on modular employable skills decided in consultation with Industry
- Flexible delivery mechanism (part time, weekends, full time)

- Different levels of programmes (Foundation level as well as skill upgradation) to meet demands of various target groups
- Training to be provided by Vocational Training (VT) Provider like IICT or IICT approved other establishments.
- Optimum utilisation of existing infrastructure to make training cost effective.
- Testing of skills of trainees by independent assessor (s) who would not be involved in conduct of the training programme, to ensure that it is done impartially.
- Testing & certification of prior learning (skills of persons acquired informally)
- The essence of the scheme is in the certification that will be nationally recognised by both the government agencies and industry/trade organisations.

The Short Term courses would be based on 'Modular Employable Skills (MES)'.  
The Concept for the MES is:

- Identification of 'minimum skills set' which is sufficient to get an employment in the labour market.
- It allows skills upgradation, multiskilling, multi entry and exit, vertical mobility and life long learning opportunities in a flexible manner.
- It also allows recognition of prior learning (certification of skills acquired informally) effectively.
- The modules in a sector when grouped together could lead to a qualification equivalent to National Trade Certificate or higher.
- Courses could be available from level 1 to level 3 in different vocations depending upon the need of the employer organisations.
- MES would benefit different target groups like:
  - ✓ Workers seeking certification of their skills acquired informally
  - ✓ workers seeking skill upgradation
  - ✓ early school drop-outs and unemployed

#### Curriculum Development Process

Following procedure is used for developing course curricula

- Identification of Employable Skills set in a sector based on division of work in the labour market.
- Development of training modules corresponding to skills set. identified so as to provide training for specific & fit for purpose

- Organisation of modules in to a Course Matrix indicating vertical and horizontal mobility. The course matrix depicts pictorially relation among various modules, pre requisites for higher level modules and how one can progress from one level to another.
- Ø Development of detailed curriculum and vetting by a trade committee and by the NCVT  
(Close involvement of Employers Organisations, State Governments, experts, vocational training providers and other stake holders is ensured at each stages).

#### Duration of the Programmes

Time taken to gain the qualification will vary according to the pathway taken and will be kept very flexible for persons with different backgrounds and experience. Normal duration statements may appear in training programmes which may be based on the content and requirements of a MES module.

#### Pathways to acquire Qualification:

Access to the qualification could be through: An approved training programme; Or

§ A combination of an approved training programme plus recognition of prior learning including credit transfer; Or

§ The recognition of prior learning that provides evidence of the achievement of the competencies for the qualification.

### Modular Employable Skill (MES) Development Programme

S. No.	Particular
1.	Background
2.	Frame work for Skill Development based on 'Modular Employable Skills (MES)'
3.	Curriculum Development Process
4.	Duration of the Programme
5.	Pathways to acquire Qualification
6.	Course Matrix
<b>7.</b>	<b>Modules: Certificate Level-I</b>
7.1	Handknotted Woolen Carpet Manufacturing
7.2	Tibbetan Carpet Manufacturing
7.3	Flat woven Dhurrie Manufacturing
7.4	Hand Spinning of Woolen Carpet Yarn
7.5	Hand Spinning of Cotton Carpet Yarn
7.6	Handtufted Carpet Manufacturing
7.7	Broadloom Carpet Manufacturing
7.8	Carpet Yarn Dyeing
7.9	Carpet Finishing – I
7.10	Manufacture of fabric related to Carpet
7.11	Basics of Computer Science
<b>8.</b>	<b>Modules: Certificate Level-II</b>
8.1	Entrepreneurship & Export Management
8.2	Carpet Designing CAD
8.3	Hand knotted Silk Carpet Manufacturing
8.4	Natural Fibres for Carpets
8.5	Spinning of Woolen yarn
8.6	Spinning of Cotton yarn
8.7	Carpet Backing
8.8	Carpet yarn dyeing with Natural Dyes
8.9	Carpet Finishing - II
8.10	Designing of fabric related to Carpet
8.11	Fundamentals of I.T. & its application in Carpet Industry
<b>9.</b>	<b>Modules: Certificate Level-III</b>
9.1	Modern Carpet Yarn Manufacturing
<b>10.</b>	<b>List of Expert/ Committee Members</b>