

Information Brochure

SHORT TERM TRAINING PROGRAM (STTP 2024-25)



INDIAN INSTITUTE OF CARPET TECHNOLOGY

Under the aegis of O/o Development Commissioner (Handicrafts), Ministry of Textiles, Govt. of India
Chauri Road, Bhadohi - 221401, U. P., e-mail : projectdirectoriiict@rediffmail.com,
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THE INSTITUTE

Indian Institute of Carpet Technology, popularly known as IICT-Bhadohi is established in 1998 under Development Commissioner (Handicrafts), Ministry of Textiles, Govt. of India.



Our vision is “To be a Centre of Excellence in Carpet, Textiles and relevant areas of technical Education by promoting, aiding and fostering the development of the sector”.

Our mission is provides support to Textile, Carpet and allied Industries through its four portfolios viz.

- 1. Human Resource Development (HRD).*
- 2. Technical Support Services to the Industry (TSI).*
- 3. Design Creation and Development (DCD).*
- 4. Research & Development (R&D)*

Location:

IICT is located at Bhadohi about 50 Kms from holy city Varanasi and about 75 Kms. from Prayagraj City, Allahabad & 30 Kms from Mirzapur. The main campus is 4Kms from Bhadohi Railway Station on the Bhadohi-Varanasi Main Road (Chauri Road) and is spread over 10 acres of land. Institute has another campus of 16.5 acres land at Pipris, Bhadohi which is 9 kms away from Chauri Road Main campus. New campus at Pipris, Bhadohi is under infrastructure development for technical facilities of extended IICT activities.

List of Short Term Training Programs (Session 2024-25)

Code	Course name	Duration (hrs.)*	Course fee (Rs.)
1.	Carpet and Textile Design with CAD.	570 hrs.	30,000
2.	Carpet yarn dyeing	240 hrs.	20,000
3.	Eco-friendly yarn Dyeing and Carpet Printing	240 hrs.	20,000
4.	Carpet Inspection and Quality Control	240 hrs.	30,000
5.	Application of Computer in Carpet sector	240 hrs.	20,000
6.	Carpet Based Product Development	240 hrs.	20,000
7.	Entrepreneurship in Carpet sector	240 hrs.	30,000
8.	Management in Carpet Sector	240 hrs.	30,000
9.	Garment Cutting & Stitching	240 hrs.	20,000
10	Mathematical Art & Carpet Design	240 hrs.	30,000
11.	Carpet Yarn Technology	240 hrs.	20,000

Course objective:

The course is designed for Carpet and Textile Design with CAD for Carpet Sector.

Career options:

Knowledge acquired through this course would build capability to work as designer.

Course Contents:

- Color Theory. 48 hrs
- Design Management : 48 hrs
- Concept of Design through Manual Design Art work. 126 hrs
- Color Forecasting 48 hrs
- Different type Quality wise Carpet Design CAD Practical: 300 hrs

Award	Certificate
Eligibility	10+2 and some knowledge of Drawing
Duration	Six months (Daily 4 hours)
Campus	IICT Bhadohi.
Seats	30
Course fee	30,000 INR
Course coordinator	Dr. R. Karmakar. Mob.: 9935271850
Course executive	Mr. C.S. Bajpai , Mob.: 9935635115

Course objective:

The course is designed for Carpet yarn dyeing for handmade carpet sector.

Career options:

Knowledge acquired through this course would create technical competence for dyeing of various fibres and shade matching.

Course Contents:

- Carpet Fibres: Identification, Blend analysis, Physical and Chemical methods.
- Chemicals/Auxiliaries of carpet yarn dyeing: Identification, Evaluation, purposes of use
- Dyeing of carpet yarns: calibration dyeing with acid dyes, metal complex dyes, reactive dyes
- Woolen yarn: shade matching concept and combination of two dyes, three dyes : shade variation, and topping.
- Viscose and cotton yarn : calibration dyeing shade matching concept and combination of two dyes, three dyes. International standards for fastness testing.

Award	Certificate
Eligibility	10+2
Duration	six months
Campus	IICT Bhadohi.
Seats	30
Course fee	20,000 INR
Course coordinator	Dr. R. K. Malik, Mob.:+91 9450254736
Course executive	Mr.D.Jana , Mob.:9451573188

Course objective:

The course is designed for dyeing and printing technique.

Career options:

Knowledge acquired through this course would create technical competence for working in dyeing and printing sector.

Course Contents:

- Pre-treatment of textile material like as cotton, wool silk yarn and fabric.
- Sources of natural dyes from different plants, minerals, flowers, insects etc.
- Process of different way of mordanting and natural dyeing.
- Pre-treatment of different fabric before printing. Different Methods of printing (Block, Screen, Mix Media).
- Printing Style (Direct, Resist and Discharge style) and after-treatment of printed materials

Award	Certificate
Eligibility	10+2
Duration	six months
Campus	IICT Bhadohi.
Seats	30
Course fee	20,000 INR
Course coordinator	Dr. R. K. Malik, Mob.:+91 9450254736
Course executive	Mr.D.Jana , Mob.:9451573188

Course objective:

The course is Carpet Inspection and Quality Control technique.

Career options:

Knowledge acquired through this course would create technical competence for working in Carpet Inspection and Quality Control.

Course Contents:

- Introduction to carpets and its manufacturing.
- Raw materials and its quality parameters.
- Testing & performance assessment of carpets,
- Carpet testing equipments.
- Carpet Inspection for quality assessment.

Award	Certificate
Eligibility	10+2
Duration	six months
Campus	IICT Bhadohi.
Seats	30
Course fee	30,000 INR
Course coordinator	Dr. Anu Mishra, Mob.: 9935792794
Course executive	Mr. Anupam Agrawal, Mob.: 945443743

Course objective:

The course is designed to give thorough knowledge of computer operation and its application for carpet sector.

Career options:

Knowledge acquired through this course would create man power for computer aided production and Skilled hand for export of carpets.

Course Contents

- • Introduction to computer – Hardware, Software, Basics of Operating System, installation of computer system and other peripherals.
- • Introduction to MS OFFICE – MS Word, Ms Excel, MS PowerPoint.
- • MS Paint, CorelDraw.
- • Internet – introduction to computer network, concept of various types of networks, creation of Email, sending /receiving of mails, downloading.
 - Fundamentals of Information Technology ,
 - Web Technology,
 - Database Management System,
 - Programming Fundamentals with Visual Basic/C++,
 - Fundamentals of Networking
- • Introduction to Professional Communication (Spoken English, Writing Skills, etc)

Award	Certificate
Eligibility	10+2
Duration	six months
Campus	IICT Bhadohi.
Seats	30
Course fee	20,000 INR
Course coordinator	Dr. S.K. Pandey, Mob.: 9415266234
Course executive	Mr.Anupam Agrawal, Mob.: 945443743

Course objective:

The course aims to promote product developments based on carpet.

Career options:

Knowledge acquired through this course would be helpful to small entrepreneurs to start new area of business from various carpet based diversified products.

Contents:

- | | |
|--|--------|
| • Wall hangings | 48 hrs |
| • Interior decoration items such as slit curtains and other upholsteries | 48 hrs |
| • Embroidery /patch work on carpet | 50 hrs |
| • Carpet Portrait | 46 hrs |
| • Stuffed goods such as toys, cushion etc. | 48 hrs |

Award	Certificate
Eligibility	persons with aptitude for art and craft
Duration	six months
Campus	IICT Bhadohi.
Seats	30
Course fee	20,000 INR
Course coordinator	Dr. M.Bera, Mob.: 9811843548
Course executive	Ms. Preeti Chaurasiya, Mob.: 7307279949

Course objective:

The course aims to produce new & young entrepreneurs in carpet industry with latest demand of the global Markets an object to encourage skill India mission.

Career options:

Knowledge acquired through this course would create skill & knowledgeable man power to handle the cart manufacturing work independently as well would be able to become independent entrepreneur.

Course Content:

1. Basics of carpet production – Raw materials, Designs Concept, carpet qualities and tools and techniques used in the carpet sector.
2. Basic of entrepreneurship - Concept of starting carpet export. Preparation of various export documents. Project preparation
3. Survey & data base, Govt. schemes for development of entrepreneurship & employment promotion schemes ,
4. Introduction to registration required for carpet business – CEPC, DGFT, DIC, etc. Types of export documents
5. Concept of financial and marketing management for carpet sectors. L/C and its types, Awareness of ODOP scheme for carpet sector. Regulatory requirements of various countries

Award	Certificate
Eligibility	10+2
Duration	six months
Campus	IICT Bhadohi.
Seats	30
Course fee	30,000 INR
Course coordinator	Dr. S.K.Pandey, Mob.: 9415266234

Course objective:

The course is designed for Manufacturers, Exporters and Buying agents of carpets as well as for entrepreneurs exploring opportunity in domestic/export market.

Career options:

Knowledge acquired through this course would build capability to work as middle management personals in carpet merchandising.

Course Content:

- An Overview of various carpet manufacturing processes. 60 hrs
- Carpet Designing & its Quality control. 30 hrs
- Human resource management in carpet sector 60 hrs
- Marketing and Merchandising of Carpet. 60 hrs
- Introduction to Machine Made Carpet 30 hrs

Award	Certificate
Eligibility	10+2
Duration	six months
Campus	IICT Bhadohi.
Seats	20
Course fee	30,000 INR
Course coordinators	Dr. Sanat Kumar Pal, Mob.: 9451951595 Dr. Betty Dasgupta, Mob.: 8318707499
Course executive	Dr. H. S. Mohapatra, Mob.: 6306185851

Course objective:

The course is designed for development of tailoring skills.

Career options:

Knowledge acquired through this course would help to start ready made garment venture as an effort to self support and also create job opportunity to others.

Course Content:

- Basic stitches, Lock stitch sewing machine, 48 hrs
- Fabrics for garments, Needles and threads 40 hrs
- Seams, Fullness and Plackets 48 hrs
- Trims and accessories for garments 48 hrs
- Pattern making and cutting of any two garments 56 hrs

Award	Certificate
Eligibility	10
Duration	Six months
Campus	IICT Bhadohi.
Seats	20
Course fee	20,000 INR
Course coordinator	Dr. S. K. Gupta, Mob.: 9794677061
Course executive	Mr. Amitabh Chatterjee.,Mob.: 9125033695

Course objective:

The course is designed for Manufacturers, Exporters, Designers and Buying agents of carpets as well as Research scholars who are working in the field of mathematics and interested in design.

Career options:

After acquiring knowledge through this course, learners will be able to visualize mathematics and ability to apply the knowledge of mathematics in making carpet design.

Course Contents:

- **Introduction to Mathematical Art** 65 hrs
The notion of Arts with concrete examples. Connection of Art with Mathematics, Origin and history of Mathematical Art. Golden ratio, Planar symmetries. Wallpaper group, Islamic geometric patterns, Kilim.
- **Carpet Design** 45 hrs
Meaning of design on carpets. Some examples of carpet designs such as Indo-Kashan, Indo-Kashmar, Indo-Kerman, Kashmir, Mahal, Indo-Tibetan, Indo-Mir Carpets etcetera.
- **Types of Mathematical Art** 40 hrs
Fractal art and dimension, Computer Art, Fibre art, Optical Art, Polyhedra.
- **Uses of Mathematical Art** 40 hrs
Art of mathematics in music, dance, painting, architecture, and sculpture. Visualization of mathematics.
- **Application to Carpet Design** 50 hrs
Implementation of fractal art in Carpet Design. Role of computer programming in carpet design.

Award	Certificate
Eligibility	10+2 with Mathematics
Duration	six months
Campus	IICT Bhadohi.
Seats	30
Course fee	30,000 INR
Course coordinator	Dr. A. Manna, Mob.: 7991375555
Course executive	Mr. C.S. Bajpai, Mob.: 9935635115

Course objective:

The course is designed to train technical personals for carpet yarn woolen spinning system.

Career options:

Knowledge acquired through this course would build capability to work as middle management personals in carpet yarn making industry and can develop their own entrepreneurship.

Course Contents:

- Wool-shearing, clipping and grading. Impurities present in wool and their removal, Wool scouring and carbonization.
- Various systems of wool fibre spinning- woolen and semi worsted - Flow chart, Willow m/c, woolen cards, Gilling, Rubbing frame and ring frame.
- Worsted spinning system- sequence of machines and operations, Comparison of above spinning systems.
- Semi-Worsted spinning system- sequence of machines and operations,
- Quality control and properties of carpet yarn for handmade and machine made carpet.

Award	Certificate
Eligibility	10+2
Duration	six months
Campus	IICT Bhadohi.
Seats	30
Course fee	20,000 INR
Course coordinator	Dr. H.S.Mohapatra, Mob.: 7839426491
Course executive	Mr. Biman Chandra Ray, Mob.: 8004888029



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Under the aegis of the Development Commissioner (HC), Ministry of Textiles Govt. of India

Chauri Road, S.R.N. BHADOHI-221401(U.P.)

Phone: +91 8756354511 e-mail : cad.iiict@gmail.com, Website: http://iiict.ac.in

Affix
Self Attested
Passport Size
Recent
Photograph

Admission Form

Short Term Training Program(STTP)

SL.No:
क्रम संख्या:

Course Name:
Course Code:

Name of Candidate:
आवेदक का नाम

Father's / Husband's Name:
पिता / पति का नाम

Date of Birth: Age/उम्र
जन्म दिनांक D D M M Y Y Y Y

Home Address :
आवास

Office Address :
कार्यालय का पता

Mobile No. /WhatsApp No.
फोन न०/ व्हाट्सएप न.

Aadhar Card No.:
आधार कार्ड न०

Present Occupation:
वर्तमान व्यवसाय

Educational Qualification:
शैक्षणिक योग्यताए

Work Experience :
अनुभव प्रमाणपत्र :

(Please attach copy of document)
(कृपया प्रमाणपत्र की प्रति संलग्न करें)

Declaration :

I declare that the information is correct & complete to the best of my knowledge and nothing has been concealed/distorted.
घोषणा: मैं घोषणा करता हूँ कि उपरोक्त जानकारी मेरे अनुसार सही है और कुछ भी छुपाया / विकृत नहीं किया गया है।

Date:/...../202...

Place:

Sign of Candidate

For Office use only

Received Application for STTP Application Sl. No. Dated.....with Application money of
Rs. (In words).....from
Mr./Ms.....

Sign of Coordinator



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