



भारतीय
indian handicrafts
हस्तशिल्प
continuing tradition



CHAIRMAN

शांतमनु, भा.प्र.से.
विकास आयुक्त (हस्तशिल्प)
Shantmanu, I.A.S.
Development Commissioner (Handicrafts)



भारत सरकार
वस्त्र मंत्रालय
पश्चिमी खण्ड-7, रामाकृष्णापुरम,
नई दिल्ली-110 066
Government of India
Ministry of Textiles
West Block-7, R.K. Puram,
New Delhi-110 066

Date: -26th July, 2019

Message from the Desk of Chairman

I am pleased to present the Annual Report of IICT for the year 2018-19.

The Institute, working with its four portfolios, namely Human Resource Development (HRD), Design Creation & Development (DCD), Research & Development (R&D) and Technical Support to Industry (TSI) has performed very well and deserves appreciation.

The institute has been involved in various industry driven projects like CHCDS, Skill Development under HRD, Research & Development Project and completed them successfully. Besides above, various workshops/seminars for youths of carpet industry were conducted under sponsored projects from the O/o DC(HC). IICT has been playing a vital role in the carpet & textile industry in terms of above portfolios.

The carpet industry has been benefitted by availing the laboratory & consultancy services of IICT. In addition to an exclusive B.Tech. course in Carpet & Textile Technology, the institute has also been conducting industry driven short term course in carpet design, computer & management and carpet yarn dyeing.

As a Chairman of IICT, I stand committed to develop the institute with all required facilities to serve the carpet sector in general and carpet education in particular.

I wish IICT to continue its efforts through its multiple portfolios for overall support/development of carpet industry.


(Shantmanu)

DC (Handicrafts) & Chairman IICT



VICE CHAIRMAN

रत्नेश कुमार झा, भा.रे.या.से.

अपर विकास आयुक्त (हस्तशिल्प)

Ratnesh Kumar Jha, I.R.T.S.

Addl. Development Commissioner (Handicrafts)



सत्यमेव जयते

भारत सरकार

वस्त्र मंत्रालय

पश्चिमी खण्ड-7, रामकृष्ण पुरम,
नई दिल्ली-110 066

Government of India

Ministry of Textiles

West Block-7, R. K. Puram,
New Delhi-110 066

Date: - 26th July, 2019

Message from the Desk of Vice-Chairman

I am pleased with the extraordinary performance of IICT achieved in all its four portfolios as depicted in the Annual Report for the year 2018-19.

It is a matter of pride that the stakeholders have explored the utilization of portfolios gainfully which is evident from the absorption of B.Tech. students, utilization of the laboratory & providing consultancy services.

The IICT has put admirable effort in conducting various awareness training/workshop/seminar for providing technical knowledge to the industry as well as artisans.

In other portfolios too, IICT is proactive and industry friendly and hence deserves to be congratulated.

I wish IICT to continue to excel and become a centre of learning of international repute.

(Ratnesh Kumar Jha)

Addl. DC (Handicrafts) & Vice-Chairman IICT



DIRECTOR



निदेशक
भारतीय कालीन प्रौद्योगिकी संस्थान
विकास आयुक्त (हस्तशिल्प),
वस्त्र मंत्रालय भारत सरकार के अधीन
अ.क.प्राविधिक विश्वविद्यालय द्वारा संबद्ध एवं
आभातशिप, भारत सरकार द्वारा अनुमोदित

Director,
Indian Institute of Carpet Technology
Under the aegis of the
development Commissioner (Handicrafts),
Ministry of Textiles, Govt. of India
Affiliated with A. K. Technical University
& Approved by AICTE, Govt. of India



प्रो (डा०) आलोक कुमार, निदेशक
Prof. (Dr.), Alok Kumar, Director

Message..... 

from The Desk of Director, IICT

It is a matter of great pride and privilege to join the IICT family. This institute is unique in the sense that it is the only institute in the world running B.Tech programme in Carpet and Textile Technology. Besides this, the institute serves a great purpose by providing testing facility and other consultancy services to 6000 crore carpet export hub of Bhadohi-Mirzapur belt through well equipped NABL accredited laboratories. It contributes towards the upliftment of society by running B.Tech course in Carpet & Textile, HRD training programmes, design programme and various skill development programme all over India In places like Bikaner, Jaipur of Rajasthan, Balarampur, Shrawasti, Sonebhadra of UP etc. A solar inverter light system and looms are also being distributed to poor artisans of Bhadohi-Mirzapur belt through CHCDS programme. Six month training of design is being run in the institute quite successfully. Thus it is a matter of great privilege for me to contribute towards nation building by providing quality engineers to carpet & textile industry and serving other technical and social services.

I congratulate faculty and staff for their efforts for 100% placement of final year B.Tech Students and filling almost all the seats of 1st Year B.Tech. I hope all the faculty and staff members will strive in similar manner as a team to take this institute to new heights in future.

I am very thankful to Development Commissioner (Handicrafts), Chairman, IICT and Addl. Development Commissioner (HC), Vice-Chairman, IICT for their kind cooperation in running this institute smoothly.


Prof. Dr. Alok Kumar
Director, IICT



Indian Institute of Carpet Technology, popularly known as IICT, has been set up by Ministry of Textiles, Govt. of India in 1998 as a registered Society under the Society Registration Act, 1860. IICT became truly functional in the year 2001

by launching B.Tech. (Carpet & Textile Technology) programme, a unique degree programme of its kind, with 20 intake which has been increased subsequently to 60. IICT was set up by Ministry of Textiles, Govt. of India to provide all possible technical support to the Carpet, Textile & other related sectors in the form of technical experts, Research & Development, etc. for the continual growth & make the industry competitive at the world level. Institute has been constantly trying to fulfill long time pending demand of the sector for technical experts through its B.Tech. technocrats. Industry has also come forward and placed these technocrats suitably in their organization. IICT is providing world class quality education to its students by targeting to meet the anticipated requirements of the stake holders through formal or informal feedbacks from the various organizations time to time. In addition to B.Tech. other trainees of the institute in various courses have also been doing well and holding good positions in the organization. The laboratories of Institute are **NABL** (National Accreditation Board for Testing and Calibration Laboratories) accredited which makes its testing reports given to the exporters valid in many countries of the world. B. Tech. programme of the institute is approved by AICTE, New Delhi & affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow.

Campus & Facilities

IICT is situated in Bhadohi which is famous in the world as Carpet belt of India. The stake holders of Bhadohi and adjoining districts can take maximum locational advantage as the institute has been set up at Bhadohi. Bhadohi is about 45 Kms away from holy city Varanasi and about 75 Kms from Prayag City, Allahabad & 30 Km from Mirzapur. The campus of IICT is 4 Kms from Bhadohi Railway Station and situated on Main Road known as Chauri Road on the outskirts of Bhadohi town. The campus is free from all sorts of pollution, providing a peaceful atmosphere for studies and research which is spread over 10 acres of land, that comprises of state of the art Administrative building consisting of Classrooms, Laboratories, Conference Hall, Library, Design Studio, Museum and Workshops. The campus has quality facilities like separate Hostels for Boys & Girls, residential accommodation for employees, open Air Theater for performing cultural activities, open space for Games, 24 hour electricity supply backed by generator and water supply system having deep bore well. Institute has also obtained 16.5 Acres land from Govt. of Uttar Pradesh at Pipris in Bhadohi, which is under construction & development works.

VISION

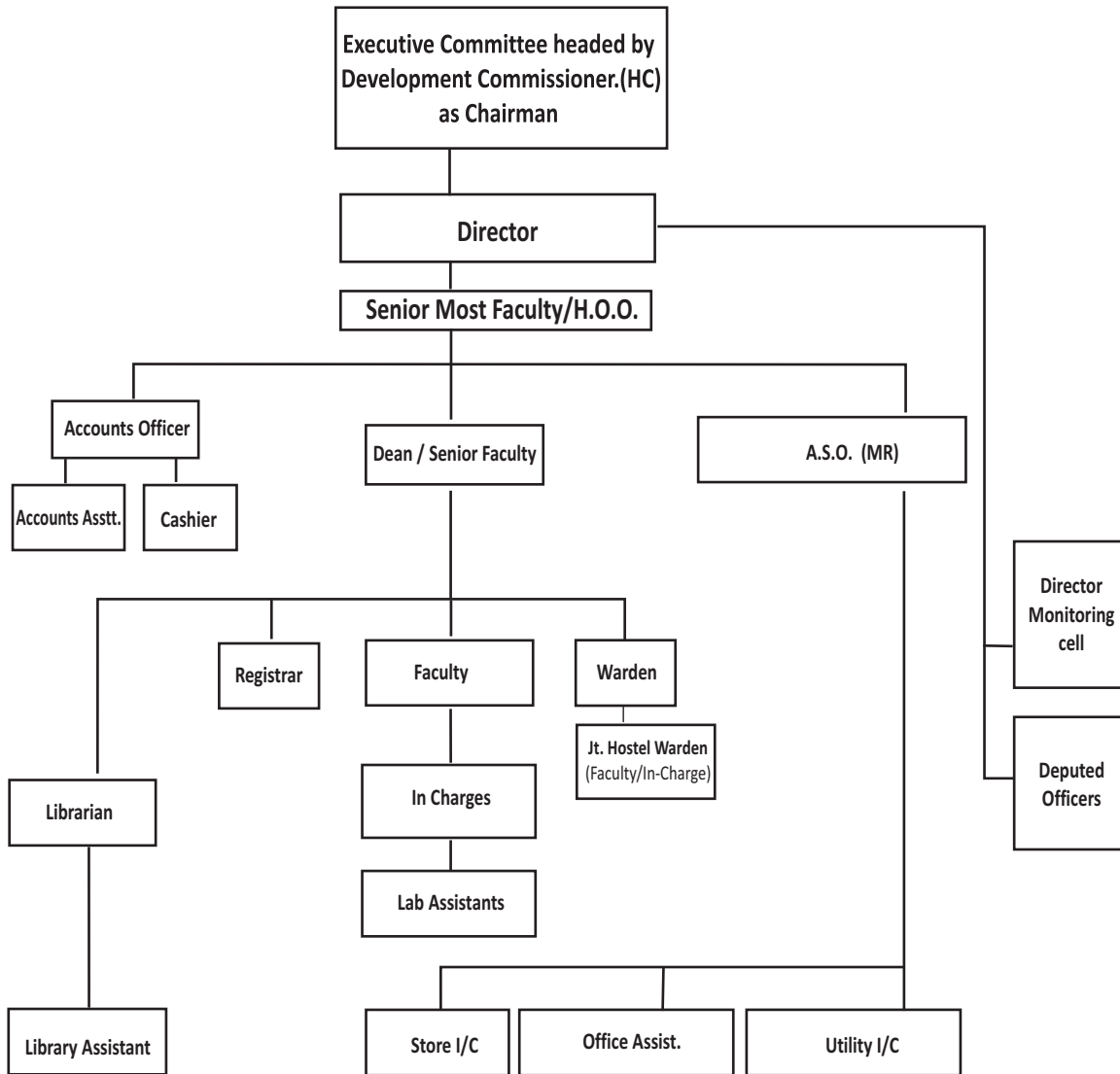
- To be a Centre of Excellence in Carpet, Textiles and relevant areas of technical education by promoting, aiding and fostering the development of the sector.

MISSION

- To create human resources having sound foundation of knowledge in carpet, textiles and relevant areas of technical education and competence in technical communications.
- To promote research & development activities in the area of carpet, textiles and related areas of science and technical education.
- To provide technical support to carpet and allied industries for design creation and laboratory testing.
- To develop entrepreneurs in the field of carpet and allied sectors.

QUALITY POLICY

- To provide qualitative education to our students which targets to meet their anticipated requirements of stakeholders.
 - To render timely and satisfactory services in all portfolios to the Industry and all other stakeholders.
 - To improve Quality Management System on continual basis through complying with the requirements of standards
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Executive Committee

Members of the Committee as on 31st March 2019

1. Shri Shantmanu, IAS, Development Commissioner (HC) & Chairman, IICT, Office of the Development Commissioner (HC), West Block No. 7, R. K. Puram, New Delhi – 110066.
2. Shri R.K.Jha ADC(Handicrafts), Vice-Chairman, IICT, Office of the Development Commissioner (HC), West Block No. 7, R. K. Puram, New Delhi – 110066.
3. Ex-officio-Secretary, Small Scale Industries & Export Promotion, Govt. of U. P., 4th Floor, Sachivalaya, Lal Bahadur Shastri Bhawan (Annexe), Lucknow – 226001 or his nominee.
4. Director (Finance), Min. of Textiles, Govt. of India, Udyog Bhawan, New Delhi or his nominee.
5. Divisional Commissioner, Vindhyaachal Mandal, Mirzapur, Uttar Pradesh
6. District Magistrate and Collector, Bhadohi, Uttar Pradesh
7. Managing Director, U.P. Export Corporation, Motimahal, 2A, Rana Pratap Marg, Lucknow
8. Chairman/Executive /Director, Carpet Export Promotion Council, 3rd Floor, Niryat Bhawan, Rao Tula Ram Marg, Vasant Vihar, Opp. Army Hospital Research & Referral, New Delhi – 110057
9. President, All India Carpet Manufacturers Association, Maryadpatti, Bhadohi
10. Chairperson, Indian Woollen Mills Federation, Churchgate Chambers, 7th Floor, New Marine, Mumbai- 400 020 or Secretary General as his nominee.
11. Sr. Faculty/Dean/Registrar, IICT- Director's Nominee.
12. Shri Bholanath Baranwal, M/s Shri Bholanath Carpets Ltd, G.T. Road Khachhawan, Varanasi -221307
13. Shri K.R. Wattal, M/s Chinar International, C-153, SEC. 63, Noida-201 301 UP
14. ED, Central Wool Development Board, Ministry of Textiles, Govt. of India, C-3, Shastri Nagar, Near Shastri Nagar Circle, Jodhpur 342 003 (Raj)
15. ED, National Centre for Design and Product Development (NCDPD) (Set up by Ministry of Textiles, GOI), Hall No.1 (3rd Floor), Rajiv Gandhi Handicrafts Bhawan, Baba Kharak Singh Marg, Connaught Place, New Delhi-110 001.
16. Head of the Department, Dept. of Textile Technology, IIT, Hauz Khas, New Delhi
17. The Principal, Govt. College of Engg. & Textiles Technology, 12, William Carey Road, Serampore, Hooghly -712201, West Bengal, India.
18. Secretary, Textile Committee, GOI, Ministry of Textiles, P.Balu Raod, Prabhadevi Chowk, Prabhadevi, Mumbai 400 025 - Invitee
19. Director, CSTRI, CSB Complex, BTM Layout, Madivala, Bangalore-650 068
20. Dr. R.S.Rathore, Director, All India Council For Technical Education (AICTE), Nelson Mandela Marg, Vasant Kunj, New Delhi-110070
21. Prof. Arindam Basu, Director General, NITRA, Sec-23, Raj Nagar, Ghaziabad-201002
22. The Director or nominee, National Accreditation Board for Testing & Calibration Laboratories, NABL House, Plot No. 45, Sector 44, Gurgaon - 122002, Haryana
23. Sr. AD/AD, O/o Development Commissioner (Handicrafts), West Block No. 7, R. K. Puram, New Delhi-110066
24. Director, IICT, Bhadohi-Member Secretary

Executive Committee Meeting & Annual General Meeting held during the year

ECM		AGM	
59 th EC meeting dated 03.04.2018	at New Delhi		
60 th EC meeting dated 04.06.2018	at TFC, Varanasi	17th AGM dated 25.07.2018	at New Delhi
61 st EC meeting dated 25.07.2018	at New Delhi		
62 nd EC meeting dated 15.03.2019	at New Delhi		

Overall Strength as on 31st March 2019

SL.No.	Name of the Employees	Designation	Qualification
1.	Prof.(Dr.) Alok Kumar Faculties	Professor, Director	B.Tech. (IIT Delhi), M.Tech., Ph. D. (IIT Delhi)
2.	Prof.(Dr.) Sanat Kr. Pal	Professor	B.Tech., M.Tech. & Ph. D.(MSU - Baroda - Vadodara)
3.	Dr. R.K.Malik	Associate Professor	Ph. D. (APJAKTU Lucknow)
4.	Dr. S.K. Pandey	Associate Professor	M.C.A, M.Tech (CS), MBA, Ph. D. (APSU - Rewa)
5.	Dr. R. Karmakar	Associate Professor	B.F.A., MA (Painting), Ph. D. (Purvanchal University Jaunpur)
6.	Shri Jayant Deshpande	Librarian	M. Com, M. Lib. PGDCSC
7.	Dr. Betty Dasgupta	Assistant Professor	Ph. D. (IIT BHU)
8.	Dr. Anu Mishra	Assistant Professor	Ph. D. (IIT Delhi)
9.	Dr. Shravan Kr. Gupta	Assistant Professor	Ph. D. (APJAKTU Lucknow)
10.	Dr. Moumita Bera	Assistant Professor	Ph. D. (IIT Delhi)
11.	Dr. Atanu Manna	Assistant Professor	Ph. D. (IIT Kharagpur)
12.	Dr. H. S. Mohapatra	Assistant Professor	Ph. D.(NIT Jalandhar)
Unit In Charges			
13.	Er. B.C. Ray	Workshop I/c	M.Tech (Textile Engg.), MHRM, MA (Public Admn), MIE, (APJAKTU Lucknow)
14.	Shri C.S.Bajpai	Design Lab I/c	B.F.A., M.F.A. (Textile Design) FVA-B.H.U.
15.	Shri Dipankar.Jana	Chemical Lab I/c	M.Tech. (Textile Engg.) IKJPTU-Punjab
16.	Shri Anupam Agrawal Lab Assistants	Physical Lab I/c	M.Tech. (Textile Engg.) IKJPTU-Punjab
17.	Shri Jaihind Chauhan	Lab Assistant	Diploma in Textile Processing Technology
18.	Shri Amitabh Chatterjee	Lab Assistant	Diploma in Mechanical Engg.
19.	Mrs. Preeti Chaurasia	Lab Assistant	Diploma in Handloom Technology
20.	Shri Govind Yadav	Lab Assistant	B. Tech.
21.	Shri Darpan Singh Administrative Staffs	Comp. Lab Assistant	M.C.A., M. Tech. (CSE)
22.	Shri Siddhartha Shukla	Admin. Cum S. Officer	MBA (Pursuing), B. Tech. (Civil Engg),
23.	Sh. Durgesh Kumar Tripathi	Accounts Officer	M. Com.
24.	Shri Umakant Srivastava	Admin Assistant	MBA (HRM)
25.	Mohd. Waseem Ansari Other Staffs	Library Assistant	MBA (HRM),
26.	Shri Jagdish	Unskilled Worker	Intermediate
27.	Shri. Vijay Kumar Gupta	Electric Technician	ITI (Electrical)
28.	Shri Naresh Kumar	Driver	

Ph.D. Awarded

Anu Mishra, "Studies on Multi-Functional Properties of Doped TiO₂ Nanoparticle Coated Cotton Fabric" IITDelhi, Nov. 2018

Shravan Kumar Gupta, "Investigation on durability of hand made woollen carpets" AKTU Lucknow, Oct. 2018

Journal Publication

1. S. M. Ishitique, Alok Kumar, Impact of progressive yarn extension on angular fibre orientation, Journal of Textile Institute, 2019 Accepted.
2. S. M. Ishitique, Alok Kumar, Impact of progressive yarn extension on fibre helix twist in cross sectional and longitudinal direction of yarn, Journal of Textile Institute, 2019 Accepted.
3. Alok Kumar Srivastava, Pragati Bajpai, Punam Awasthi, Alok Kumar and Namburi Eswara Prasad, Nanofibre based sensors for water pollution monitoring, Book Chapter
4. A Manna, Norm inequalities involving, Journal of Analysis, 2019, DOI: 10.1007/s41478-018-0126-1
5. A. Manna, Factorization of copson inequality, Tamkang J. Math, 49(3), 195-203, 2018.
6. A. Manna, Certain geometric structure, Adv. Oper. Theory, 3(2), 433-450, 2018.
7. A.Manna & PD Srivastava, Property (KB) of musielak-orliczsoecs, RACSAM, 113(2), 2018.
8. Anu Mishra, Himansu Shekhar Mohapatra and B.S. Butola, "Imparting Protection against UV Radiations Using In Situ Coating of Titanium Dioxide on Textiles", International Letters of Chemistry, Physics and Astronomy, 82, 14-20, 2019.
9. S. K. Gupta & K. K. Goswami, Cost-Benefit and Performance of Handmade Carpets Produced with Wool, Untreated and Chemical-Treated Jute Pile Yarns, *Journal of the Institution of Engineers (India): Series E*, 2018, 99(1), 75-81.
10. S. K. Gupta, A. Agarwal & A. Kumar, Abrasion Behaviour of Wool-Viscose Hand Tufted Carpets using Response Surface Methodology, *Journal of Polymer Science and Engineering*, 2018, Volume 1, 1-5.

Conference

1. S K Gupta, "Investigation on durability of Tibetan Handmade Wool Carpets", International conference on Advances in Textile Materials and Process (ATMP)-2018, IIT Kanpur, Kanpur, India, 19-20 Nov. 2018.
2. S K Gupta, "Abrasion behaviour analysis of Tibetan handmade wool carpets using Response Surface Methodology", 6th International conference on Technical Textiles and Nonwovens, IIT Delhi, 6-8 Dec, 2018.
3. S K Gupta, "Optimization of Persian Hand- Knotted Wool Carpets Durability by Using Response Surface Methodology", National Conference on Futuristics in Mechanical Engineering (FME-2019) at Madan Mohan Malaviya University of Technology, Gorakhpur, 28-29/3/19
4. M. Bera, "Study on tuft withdrawal force and compressibility of hand tufted carpet", International Conference On Technical Textiles and nonwovens ICTN 2018, IIT Delhi. New Delhi, (India), December 6th - 8th 2018.

Expert Lecture

1. S K Pal," Supply chain management in handmade carpet of India", TEQIP-III, STTP-AME2018, MMMUT,Gorakhpur, 17 Dec. to 23 Dec.2018
2. H S Mohapatra, "Protective Textiles", MLVT Bhilwara, 28th Sep 2018.
3. H S Mohapatra, " How to write research paper", MLVT Bhilwara, 29th Sep 2018.

Refresher Course

1. Betty Dasgupta, "Women and Gender Sensitization Studies", BHU, Varanasi, Dec 4-24, 2018
2. A Manna, " Human Values and Professional Ethics", ITM GKP, 13-20 June 2019.
3. R Karmakar, Fine Arts (Textile Design), HRDC, University of Lucknow, 10th Dec. to 31st Dec. 2018.
4. J. Deshpandey, "Library and Information Science" , IGNOU (SWAYAM), MHRD & AICTE, 15th Nov.2018 to 28th Feb 2019
5. J. Deshpandey, "Library Science" UGC-HRDC, University of Allahabad, 01.12 . 2018 to 21.12.2018.

Short Term Course

1. R.K.Malik, B. Dasgupta & S K Gupta, "Internal Auditor as per ISO/IEC 17025:2017", 13/08/2018 to 14/08/2018, Global Institute of Quality Management (A Division of Lakshy Management Consultant Pvt. Ltd.) Navi Mumbai, Park Inn, Delhi,
2. J. Deshpandey, "Library automation and digitisation" , IGNOU (SWAYAM), MHRD & AICTE, 1st July 2018 to 31 Dec.2018

Participation in Carpet Expo

1. C S Bajpayee, "India Carpet Expo-2018", Sponsored by CEPC at TFC, Varanasi, 21/10/2018 to 24/10/2018.
2. C S Bajpayee, "India Carpet Expo-2019", Sponsored by CEPC at NSIC Ground, Okhala, New Delhi, 10/03/2019 to 13/03/2019.

IICT is functioning through its four portfolios namely :-

1. HRD (Human resource development)
2. DCD (Design creation & development)
3. R&D (Research & development)
4. TSI (Technical support to industry)

1. HRD (Human Resource development) IICT PORTFOLIO

B.Tech Course in Carpet and Textile Technology (CTT):

Started in the year 2001. Thereafter, specializations in Advances in Carpet Technology (ACT)/Home Textile Technology (HTT) /Textile Design Technology (TDT) have also been integrated to B.Tech. in CTT with the due approval of A.K. Technical University, Lucknow and accreditation to Textile Institute, Manchester, U.K. IICT has been awarded twice Star performing institute of the University.

601 Students Till date 601 students have graduated from institute and placed all over India & abroad in carpet & textile industries. Many students have opted for higher studies in institute like IITs, NITIE, ISM, IIM & NIFT.

Quality education is imparted to B. Tech. students. Many students have been awarded with gold, silver & bronze medals for their excellence. Their academic performance are evident from below table :-

University topper in Textile Group

Year of Passing	Name of Student Gold Medal	Name of Student Silver Medal	Name of Student Bronze Medal
2010	Ankit Kumar Bhagat
2011	Nisha Kumari	Patanjal Kumar	Anupam Agrawal
2014	Sadiya maqsood
2015	Amreen Fatima	Govind Yadav
2018	Priya Singh	Shivangi Shukla

Examination Result and Performance

During Financial year 2018 - 19, 45 students of 15th batch (2015-19) appeared In VIII, Sem. exam & placed successfully

In VI, Sem. 54 students were appeared in exam and promoted to fourth year

In IV, Sem. 46 students were appeared in exam and promoted to third year

In II, Sem. 32 students were appeared in exam and promoted in second year

Admission to B. Tech 1st year

Intake in B. Tech. programme is 60. For this admission is done through JoSAA (Joint Seat Allocation Authority)/CSAB (Central Seat Allocation Board). Out of which 34 candidates had taken admission from the said allotment.

Tuition Fee

Approved by SGM of the Institute. following is fees Structure.

B. Tech. Fee structure

Fee Head	Amount (Rs.)	
	Hosteller	Non- Hosteller
Tuition Fees	40,000/-	40,000/-
Hostel Fees	8,725/-
Caution Money	5,000/-*	5,000/-*
AKTU Fee	7,550/-	7,550/-
Development charge	5,000/-	5,000/-
Other Charges	15,000/-	15,000/-
Alumni Registration fees	1000/-*	1000/-*
Mess Charges	30000/-	-----
Total	1,12,275/-	73,550/-

* these fees are paid once at the time of new admission .

Commencement of the Session:

The new session commenced from 01 August, 2018 for the B. Tech. V & VII- Semester classes and B. Tech I & III Semester classes started from 16th August,2018.

Short Term courses:

Besides B. Tech programme, IICT conducts various employment oriented courses that to serve the society as a whole. In the coordination of the above endeavor 1138 person have been trained through ISDS and 3500 artisans have been trained through CHCDS scheme.

Modular Employable Skill (**MES**) based skill development program in Application of Computer and IT in Carpet Manufacturing, Carpet and Textile design using CAD Carpet, Yarn Dyeing Carpet weaving, Spinning of woolen yarn, Washing & Finishing of Carpet are being run by the institute. More than 7000 artisans have been trained so far to mitigate the skill gap.

2. DCD (Design Creation & Development)



Design Bank Created- More than 15000 designs are in place out of which around 3500 designs have been utilized by industry for commercial purpose. In which, 114 designs have been created under design bank and 13 designs have been sold to industries in the current financial year.

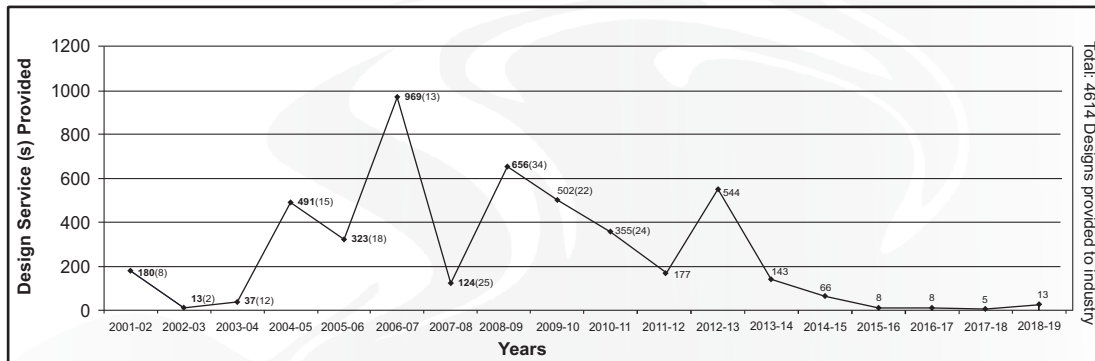
The variety of Design Bank includes Traditional INDIAN Motifs (Like : Harappa, Ajanta, Mughal, Rangoli, Jaipuri, Fulkari, Kantha, Paithani, Kalamkari, Banarasi, Jamewar etc.), modern motifs etc. as per trend.

Kibby Carpet Sampling Machine is also used by the industry to develop prototype samples of size 18"x18"

Industry at large has come forward and taken advice and benefitted from design bank, creativity and development of global value at local cost.

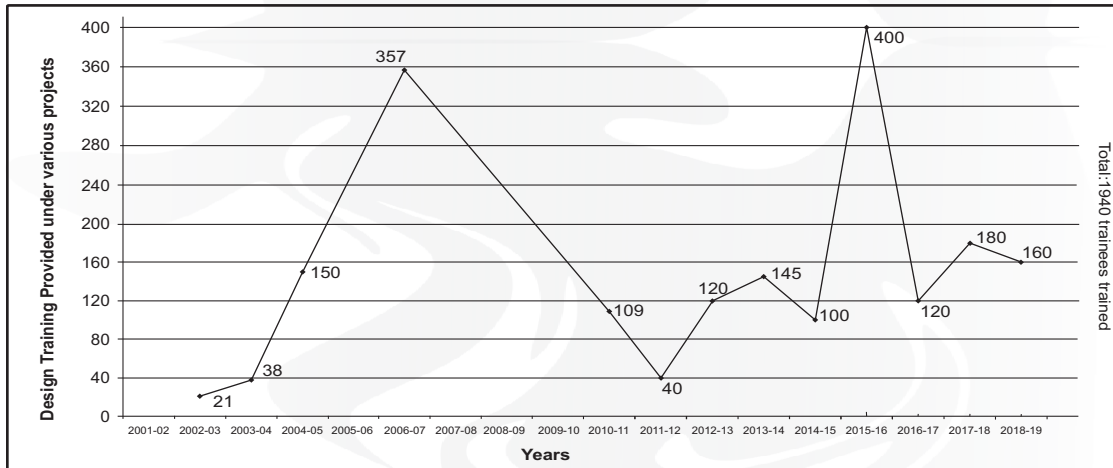
Design Lab Services

(Graphical representation based on sold designs)



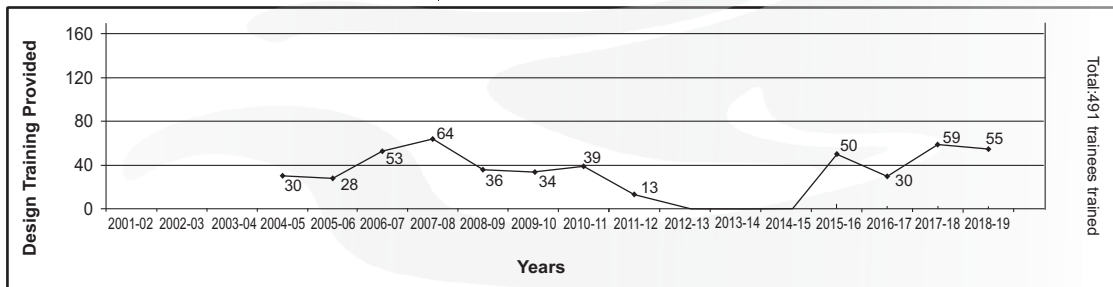
Trainees trained under various projects through Design Lab

(Graphical representation based on trainees no.)



Trainees trained by Design Lab

(Graphical representation based on trainees no.)



A: Product Development:

Quite a few product development activities have been completed at institutional level and or in collaboration which includes:

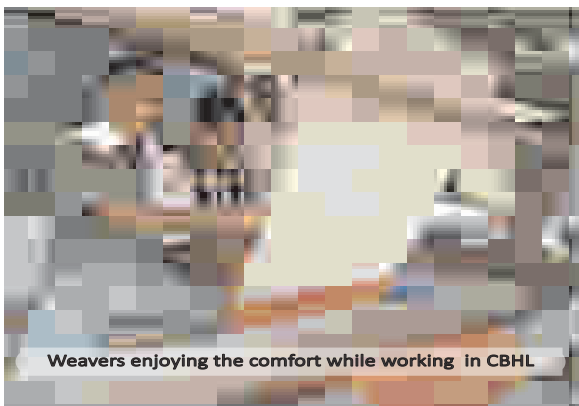
- Coir Based Carpet
- Silk Carpet
- Eri silk Carpet
- Modacrylic based carpet
- Handmade Astroturf type Carpet
- Natural fiber based carpet
- Natural dyeing
- Substitute to polyester shaggy
- Bujbun Utilization
- Vertical Blind
- Coir Paper and Coir Silk

Another revolutionary research supported by CCRI Alleppey, Kerala of Coir Board, Kochi is continuing for coir silk. Commercial Stage trials with reputed Rayon Manufacturing co. (Grasim & Century Rayon) are being undertaken. The value addition will benefit coconut growers and support industrialization for coir paper & coir silk Production in coconut production intensive states like Kerala, Tamilnadu of the country. - A proprietary move on supplement to Make in India Mission - Industry to come forward and explore

B: Technology Up gradation

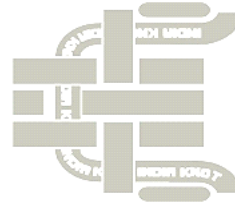
Commendable efforts have made by IICT to up grade the technology being used in the carpet industries. These are :-

- **Concept of Ergonomic and Flexible Tufting Frame**
- **Cross Bar Horizontal Loom CBHL (Wooden or Metallic) for Hand knotted and Tibetan, Shaggy, Soumak etc.**



Weavers enjoying the comfort while working in CBHL

- **India Knot:** A proprietary one of IICT which permits semi knotting in loom, a supplement to Make in India Mission - Industry to come forward & Explore



- **Snehabha Carpet Backing System:**

Polymer Backing Technology, Light weight, Washable Reported it's features & feasibility in publications like carpet e world



■ Carpcost Software

A Piracy proof software has been developed and ready for use on CD for cost calculation of hand knotted carpet . from Rs. 25000/- to support the industry.

Continuous Tufting Frame

Suitable for Tufted Carpet

It is a manual tufting process using a hand operated or electric tufting Gun for continuous design repeats for large length of carpet.

It has features such as

- Comfortable working environment with ergonomic design of frame.
- Primary Backing Cloth is supplied Continuously from a roller.
- Spike chain for guiding backing cloth with width expanding device.
- Lengthwise stretching of backing cloth by turning cloth roller through hand wheel.
- Simultaneous design printing using tracing paper or alternate use of block printing.
- simultaneous Latex backing with secondary net.
- Hot air solar inverter drying system (optional).
- Carpet winding roller with capacity up to 200 feet length.
- Superior quality of carpet production at nearly 200 sq inch per hour per weavers.



MECHANISED DHURRIE LOOM

Suitable for Floureal Design Dhurrie Weaving



Features of the machines

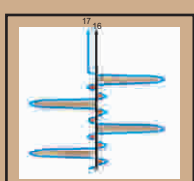
It is an improved design of vertical dhurrie loom for Hand made carpet weaving.

- Arrangement for winding bobbins from hank.
- Arrangement for warping larger length within a comfortable room environment.
- Weaving width in multiple of tree feet with Mechanical jacquard for designing.
- Uniform end spacing and accurate width adjustment
- full width panja for uniform beat up
- larger winding capacity on carpet roller.
- Ergonomic design relieving weavers from fatigue.

LENO CARPET LOOM

Suitable for Pile Carpet

It is a broad loom producing pile carpet with leno structure for better tuft withdrawal force. vertical colour stripes, horizontal row of cuts or loops, embossing or printing after weaving produce designs on leno carpets. The technique is for hand made carpet and aims to revive the hand made carpet sector in India .



weave structure

JACQUARD CARPET LOOM

Suitable for Pile Carpet



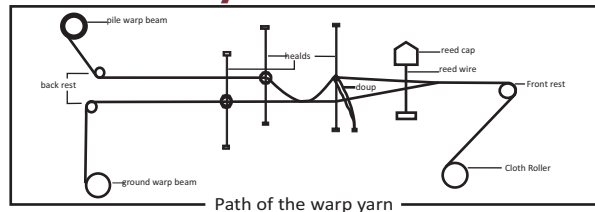
features.

It is a development of hand loom for floral pile carpet designs.

- ▲ Suitable for 2,3,4 or 5 colour designed pile carpets on loop/cut structure .
- ▲ Piles are formed by insertion wires in pile warp shed controlled by a mechanical jacquard.
- ▲ 200 Creel capacity for each colour pile yarn.
- ▲ Cotton warp from beam are controlled by heald shaft.
- ▲ Foot pedals operated Shedding for jacquard and heald shaft.
- ▲ Hand operated shuttle picking for weft insertion.
- ▲ Designed for 36 inch width for 6 piles per inch across carpet, suitable for 3-4 Nm woolen pile yarn.
- ▲ Manual card cutting using cutting plate produce endless designs.
- ▲ Various thickness wires ranging from 1/4 - 3/4 inch produce pile for different quality of woven carpet.
- ▲ The technique is handicraft in nature meant for small weavers in remote villages.

Development of woven carpet in

Terry Leno Pile Structure

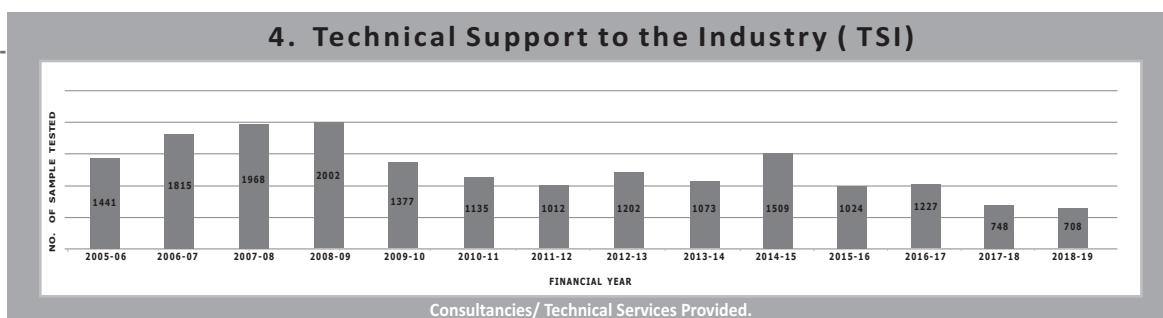


Features

- Carpet prepared on handloom.
- This special handloom has both technology of terry and leno.
- The carpet produced with terry-leno technology has high tuft withdrawal force.
- Cut pile and loop pile both type of carpets can be prepared.

IICT Laboratory

Institute has been providing continuous technical services to the industry through its laboratory in the disciplines of mechanical and chemical to fulfill their needs to complete with the global market. These laboratories are NABL accredited hence test reports are acceptable internationally. Industries have utilized the available facilities to confirm the requirement of international and national buyers. A total of **708** samples have been tested by IICT laboratory with generating total revenue of Rs. **6,13,000/-** during the financial year 2018-19. Industry can hire IICT for consultation to enhance their business performance.



List of Kaleen Bandhu Members (as on date 31.03.2019)

1. M/s. Bholanath International, Varanasi
2. M/s. Sahara Kasturi Handicraft Ltd., Lko
3. M/s. Jaya Shree Textiles, Rishra
4. M/s. TAG BROS, New Delhi
5. M/s. ABC Industries, Mirzapur
6. M/s. Peerless Carpet Palace, Bhadohi
7. M/s. GSL Textile India Pvt. Ltd., Ludhiana
8. M/s. Concept Creations, Panipat
9. M/s. Gloster Jute Mills Ltd., Kolkata
10. M/s. Jaipur Rugs Co. Pvt. Ltd., Jaipur
11. M/s. Patodia Exports, Bhadohi
12. M/s. Antique Art Export (P) Ltd. Noida
13. M/s. Samara Carpets Pvt Ltd.
14. M/s. Velocity Yarn Pvt. Ltd. (Associate member)
15. M/s. Champo Carpets. Bhadohi
16. M/s. Colourtech Industries Pvt. Ltd.

Note: 1 to 13 & 15 are life members.

- ❖ "KALEEN BANDHU"- a forum created to invite eligible & interested organizations /individuals to become a member of IICT. One can become a Life member or Associate Member on payment of Rs. 50000/- or Rs.4000/- respectively.

Others

- ◆ Floor Covering using Natural fibre
- ◆ Application of Natural Dyes.
- ◆ Product/ Process diversification

Party Interested may contact for further details.

IICT is also involved in various projects under HRD, DCD, R&D, marketing, technology developments etc. schemes sponsored by O/o DC (HC), New Delhi. The following projects are running during financial year 2018- 19.

Details of Projects at IICT (Govt. Sponsored)

Sr. No.	Name of the Project	Reference and date of sanction/ Project cost in Rs. Lakhs / coordinated by	Scheme/ Fund Status
IICT-1	One Handicraft Technical Training Programme at Bikaner (East) Carpet Belt,	I-15011/9(1)/NR/HTP/ST/HRD/2018-19, dt. 18.05.2018, Rs. 10.11 Lakhs, Dr. S.K.Pandey,	HRD/50% fund received
IICT-2	One Handicraft Technical Training Programme at Bikaner Carpet Belt, (Sri Kotayet)	I-15011/9(2)/NR/HTP/ST/HRD/2018-19, dt. 18.05.2018, Rs. 10.11 Lakhs, Dr. S.K.Pandey,	HRD/50% fund received
IICT-3	One Handicraft Technical Training Programme at Bikaner, Carpet Belt, (Loon Karansar)	I-15011/9(3)/NR/HTP/ST/HRD/2018-19, dt. 18.05.2018, Rs. 10.11 Lakhs, Dr. S.K.Pandey,	HRD/50% fund received
IICT-4	One Handicraft Technical Training Programme at Bikaner, Carpet Belt, (Nokha)	I-15011/9(4)/NR/HTP/ST/HRD/2018-19, dt. 18.05.2018, Rs. 10.11 Lakhs, Dr. S.K.Pandey	HRD/50% fund received
IICT-5	One Handicraft Technical Training Programme at Bikaner, Carpet Belt, (Khajuwala)	I-15011/9(5)/NR/HTP/ST/HRD/2018-19, dt. 18.05.2018, Rs. 10.11 Lakhs, Dr. S.K.Pandey	HRD/50% fund received
IICT-6	One Handicraft Technical Training Programme at Bikaner (West), Carpet Belt,	I-15011/9(7)/NR/HTP/ST/HRD/2018-19, dt. 18.05.2018, Rs. 10.11 Lakhs, Dr. S.K.Pandey,	HRD/50% fund received
IICT-7	One Handicraft Technical Training Programme at Bikaner Carpet Belt, (Bhinasar)	I-15011/9(6)/NR/HTP/ST/HRD/2018-19/1554 dt. 15.11.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey	HRD/50% fund received
IICT-8	One Handicraft Technical Training Programme at Bikaner Carpet Belt, (Gangashahar)	I-15011/9(8)/NR/HTP/ST/HRD/2018-19/1543 dt. 15.11.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey,	HRD/50% fund received
IICT-9	One Handicraft Technical Training Programme at Bikaner Carpet Belt, (Banqlanagar)	I-15011/9(9)/NR/HTP/ST/HRD/2018-19/1575 dt. 15.11.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey	HRD/50% fund received
IICT-10	One Handicraft Technical Training Programme at Bikaner Carpet Belt, (Karnisar)	I-15011/9(10)/NR/HTP/ST/HRD/2018-19/1565 dt.15.11.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey	HRD/50% fund received
IICT-11	One Handicraft Technical Training Programme at PachkhedawaBalrampur (ST Artisans)	I-15011/9(12)/CR/ST/HTP/HRD/2018-19 dt. 03.12.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey	HRD/50% fund received
IICT-12	One Handicraft Technical Training Programme at Pachkhedawa Balrampur (ST Artisans)	I-15011/9(12)/CR/ST/HTP/HRD/2018-19-I dt. 03.12.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey	HRD/50% fund received
IICT-13	One Handicraft Technical Training Programme at Tulasipur Balrampur (ST Artisans)	I-15011/9(12)/CR/ST/HTP/HRD/2018-19-II dt. 03.12.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey,	HRD/50% fund received
IICT-14	One Handicraft Technical Training Programme at Tulasipur Balrampur (ST Artisans)	I-15011/9(12)/CR/ST/HTP/HRD/2018-19-III dt. 03.12.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey,	HRD/50% fund received
IICT-15	One Handicraft Technical Training Programme at Shrawasti Balrampur (ST Artisans)	I-15011/9(12)/CR/ST/HTP/HRD/2018-19-IV dt. 03.12.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey	HRD/50% fund received
IICT-16	One Handicraft Technical Training Programme at ShrawastiBalrampur (ST Artisans)	I-15011/9(12)/CR/ST/HTP/HRD/2018-19-V dt. 03.12.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey	HRD/50% fund received
IICT-18	One Handicraft Technical Training Programme at Rohtak Haryana (SC Artisans)	I-15011/9(16)/NR/SC/HTP/HRD/2018-19 dt. 03.12.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey	HRD/50% fund received
IICT-14	One Handicraft Technical Training Programme at Jind Haryana (SC Artisans)	I-15011/9(16)/NR/SC/HTP/HRD/2018-19 dt. 03.12.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey,	HRD/50% fund received
IICT-19	One Handicraft Technical Training Programme at Bhiwani, Haryana (SC Artisans)	I-15011/9(16)/NR/SC/HTP/HRD/2018-19-VI, dt. 03.12.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey	HRD/50% fund received
IICT-20	One Handicraft Technical Training Programme at Meham,Jind, Haryana (SC Artisans)	I-15011/9(21)/NR/SC/HTP/HRD/2018-19, dt. 22.02.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey	HRD/50% fund received
IICT-21	One Handicraft Technical Training Programme at Julan,Bhiwani, Haryana (SC Artisans)	I-15011/9(22)/NR/SC/HTP/HRD/2018-19, dt. 22.02.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey,	HRD/50% fund received
IICT-22	One Handicraft Technical Training Programme at Mindal,Rohtak, Haryana (SC Artisans)	I-15011/9(23)/NR/SC/HTP/HRD/2018-19, dt. 22.02.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey,	HRD/50% fund received
IICT-23	One Handicraft Technical Training Programme at Padari ,Mirzapur (ST Artisans)	I-15011/9(18)/CR/ST/HTP/HRD/2018-19, dt. 01.03.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey	HRD/50% fund received
IICT-24	One Handicraft Technical Training Programme at Usarahwa ,Mirzapur (ST Artisans)	I-15011/9(19)/CR/ST/HTP/HRD/2018-19, dt. 01.03.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey	HRD/50% fund received
IICT-25	One Handicraft Technical Training Programme at Obra, Sonbhadra (ST Artisans)	I-15011/9(20)/CR/ST/HTP/HRD/2018-19, dt. 01.03.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey	HRD/50% fund received
IICT-26	One Handicraft Technical Training Programme at Jangigani, Bhadohi (ST Artisans)	I-15011/9(21)/CR/ST/HTP/HRD/2018-19, dt. 01.03.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey	HRD/50% fund received
IICT-27	One Handicraft Technical Training Programme at Khamaria, Bhadohi (ST Artisans)	I-15011/9(22)/CR/ST/HTP/HRD/2018-19, dt. 01.03.2018 Rs. 10.11 Lakhs,Dr. S.K.Pandey	HRD/50% fund received
IICT-28	One Handicraft Technical Training Programme at Chopan, Sonbhadra (ST Artisans)	I-15011/9(23)/CR/ST/HTP/HRD/2018-19, dt. 01.03.2018 Rs. 10.11 Lakhs, Dr. S.K.Pandey	HRD/50% fund received
IICT-29	Setting up of Design and Craft School (Audio, Visual Modern Language Lab)	C-11011/27/DCS/IICT(UP)/2018-19/ Infra dt. 25.03.2018 Rs. 14.90 Lakhs, Dr. S.K.Pandey	Infrastructure & Tech. Support
IICT-30	Setting up of Design Bank at IICT, Bhadohi	C-11011/28/DB/IICT(UP)/2018-19/ Infra dt. 25.03.2018 Rs. 14.90 Lakhs, Dr. S.K.Pandey	Infrastructure & Tech. Support

Placement drives form an integral part of our institute as it endows the opportunities to the students to get employment in the well-known and esteemed organizations. The institute started its recruitment process for the year in 2018-19 in the month of September. On campus recruiters includes Welspun Mumbai, Jaipur Rugs Jaipur, Arvind Exports Bhadohi, Bokhara Bhadohi etc and off campus recruiters were Chinar Forge Jalandhar, Riviera Panipat, Achal Amit & Co. Agra, ABC Mirzapur etc.

Placement report of IICT students for the academic year 2018-2019

Sl. No.	Name	Organisation	Remarks
1. 2.	AAMIR ANSARI RATAN LAL MAURYA	Bokhara Carpet Bokhara Carpet	
3. 4.	ASHISH ANMOL VISHWAKARMA	ACHAL AMIT & CO. ACHAL AMIT & CO.	
5. 6.	ARVIND YADAV AVINASH KUMAR	Welspun India Welspun India	GATE QUALIFIED
7.	PRASHANT KUMAR	RIVIERA PANIPAT	
8. 9. 10. 11. 12. 13. 14.	LOVKUSH NAVNEET SACHAN OM SHARAN PAWAN KUMAR MAURYA ROHIT SHIVAM TIWAREE SUMANT RAJ VERMA	Welspun India Welspun Flooring Welspun Flooring Welspun Flooring Welspun Flooring Welspun Flooring Welspun Flooring	GATE QUALIFIED GATE QUALIFIED
15.	SURUCHI KALODE	EDHEC,FRANCE	
16. 17. 18. 19.	KM PRINSA CHAUHAN GAURAV SUNEJA OM PRAKASH JITENDRA TYAGI	Jaipur Rugs Jaipur Rugs Jaipur Rugs Jaipur Rugs	GATE QUALIFIED
20. 21. 22. 23. 24.	SURAJ KUMAR PRADEEP KUMAR GUPTA KULDIP MISHRA AMIT CHAURASIA AJAY KUMAR	ABC Carperts. ABC Carperts. ABC Carperts. ABC Carperts. ABC	
25. 26.	DAMERA GUNAVARDHAN SURAJ KUMAR GOND	ARVIND EXPORTS ARVIND EXPORTS	
27. 28. 29.	SUMIT TIWARI ABHISHEK KUMAR SINGH ANKUR GAUTAM	CHINAR CHINAR CHINAR	
30. 31. 32. 33.	SHUBHAM BANSAL KHAKI SAMUEL HARSHIT PANDEY ASHU TEHPAL SINGH	IIT D IITD IIT B HIGHER STUDIES	GATE GATE QUALIFIED GATE QUALIFIED GATE
34. 35. 36. 37. 38. 39.	PANKAJ KUMAR YADAV ADARSH KUMAR DUBEY MUKESH YADAV AVANISH DUBEY SUSHEEL KUMAR YADAV ROBINSON VERMA	OWN BUSINESS SELF EMPLOYED SELF EMPLOYED SELF EMPLOYED SELF EMPLOYED SELF EMPLOYED	

No. Of students in the batch- 45

No.of students placed- 39

INTERVIEWS IN THE MONTH OF JUNE- Faze Three Vapi, OBEETEE, Chinar Flooring.

Many sports and cultural activities are performed in institute for overall personality development of the students. Sport activities like chess, table tennis, race, shot-put, cricket, ludo etc. have been held in 2018-19. Many students have awarded prizes as given below :-

UMANG 2K19 : (Sports Events)

Winner		
Event	Boys	Girls
Chess	1.Farhan Ansari 2.Anshu Chaurasia 3.Arvind Yadav	1.Pinki Singh 2.Anjali Biswas
Table Tennis	1.Amir Ansari 2.Amit Chaurasia 3. Arvind yadav	1.Shivangi Mishra 2.Sushila Kumari 3. Anisha
Race(100m)	1.Breankin 2.Vivek Kumar Sah 3.Pradeep Yadav	1.Swati Chauhan 2.Kumari Anupriya 3.Shreya Singh
Shot-put	1.Ajay Yadav 2.Prajjwal Singh 3.Pradeep Yadav 4.Ganesh Yadav	1.Shivangi Mishra 2. Swati Chauhan
Ludo	1.Ankur Gautam 2. Sanjay Yadav	1.Shalu Kumari 2.Pallavi Priya
Cricket	<u>1.Final Year</u> [Arvind(c), Avinash, Ajay, Om sharan, Amit, Pankaj, Pawan, Rohit, Shushil, Suraj, K. Samuel, Rushikesh]	<u>Team A</u> (Shivangi, Anisha, Sushila, Arpita,Shalu,Prashanti,Baishali, Shweta)
Volleyball	1.Second Year (prince,swetank prajjwal,Aman srivastav, aman singh,kartikey, anand-yadav, vivek ,rishabh)	
Long jump	1.Sanjay Yadav 2.Vivek Kumar Sah 3.Mukesh Kumar 4.Breankin	1. Swati chauhan 2. Ashusingh 3. Shreya singh
Carrom	1.Avinash Kumar 2. AnkurGautam	1.Pinki Singh 2.Amrita Singh
Badminton	1.K. Samuel 2. Ashish singh 3. Sharad chaudhari	1.Shivangi Mishra 2.Sushila Kumari 3.Baishali Jiaswal
Kabaddi	Final year : (Rushikesh, Shushil, Aahish, suraj, kuldip,Avinash, Om sharan)	1.Team A (Pinki,Sushila, Shivangi,Divyani,Baishali, Anupriya,Shibu,)

Many eminent personalities visited our institute during 2018-19. and enlightened the faculty, staff members and students.

Date	Name & Address of visitor	Comment
11.6.18	Amal Ghosh 41, Hindustan Park Kolkata - 700029	After having spent some time with Mr. Goswami, Director. I could feel he is a very remarkable person. Best wishes to all.
27-6-18	S. P. Karchandrasekar Gurupalli South Sambalpur - W.B.	I am learned all about Carpet making and its complicated technology. It is an wonderful experience. Knowledge I had no knowledge of that such an institute is here in Odisha. Thanks to Mr. Goswami, Director for inviting me to visit the place.
2/9/18	Raghuendra Singh Secretary Tax Hill Govt of India	A unique institute of India of a very important sector - of carpet industry. It should, I wish, develop into a premier institute for it has the potential to increase employment, also our exports.
4/9/18	Shankar DC (Handicrafts)	Always a pleasure coming here but missing Dr. Goswami this time. I wish the institute all glory and success in future. Shankar
4/11/18	Ratish K. Jha Addl. D.C. (Handicrafts)	IICT - has been planning to come here for long but I was destined to come now. I was delighted to see an institute which is imparting education & knowledge to its students. Kudos to the staff and faculty of IICT. I wish IICT all the very best and may it achieve glory and fame. Ratish