

शातमनु, 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

Message

I am pleased to present the Annual Report of IICT for the year 2016-17.

The performance of IICT in all its four portfolios, Human Resource Development (HRD), Design Creation & Development (DCD), Research & Development (R&D) and Technical Support to Industry (TSI) has been praiseworthy.

Apart from above, the institute was also involved in various important projects like ISDS, CHCDS & other training/ R&D projects to upgrade/ develop skill and create human resource for the carpet industry. Successful conduction of 20 workshops/ Seminars shows commitment of IICT towards the overall development of weaker section of the society and for the Carpet Industry.

The institute is also playing a vital role in providing services in all portfolios in genuine/ reliable manner as evident from continued accreditation to ISO 9000. ISO 17025, AICTE & UPTU/ DEC-UGC- AICTE and Textile Institute (Manchester) for activities like overall Quality System, Laboratory Quality System, B. Tech Course & Distance Learning Programme and International Accreditation of B. Tech course of IICT which strengthened the academic repute of IICT.

As Chairman of IICT, I commit myself to leave no stone unturned for the all round development of the institute. I am sure that IICT will not only continue to maintain its standard but flourish further.

I wish IICT to continue its efforts in making the carpet industry overall progressive and result oriented.

Shantmanu, IAS DC (Handicrafts), Chairman, IICT



रत्नेश कुमार झा, भा.रे.या.से. अपर विकास आयुक्त (हस्तशिल्प) Ratnesh Kumar Jha, I.R.T.S. Addl. Development Commissioner (Handicrafts)



भारत सरकार वस्त्र मंत्रालय परिचमी खण्ड-7, रामकृष्ण पुरम, नई दिल्ली—110 066 Government of India Ministry of Textiles West Block-7, R. K. Puram,

New Delhi-118 866

Message

I am happy to note extraordinary performance of IICT in all its four portfolios as depicted in the Annual Report for the year 2016-17.

It is also a matter of pride that stakeholders have explored the utilization of portfolios gainfully as evident from composite score of 96.44% in RFD context.

I am convinced about the continuous improvement of the institute through constant and meticulous endeavor made by institute's faculty & staff.

The IICT has put admirable efforts in conducting various awareness programme including covering SC/ST artisans for development of the weavers section of the society.

Similarly in other portfolios too IICT is proactive and industry focused and hence deserves to be appreciated.

I also wish IICT to continue to excel for repositioning its status as a true referral centre.

[Ratnesh Kumar Jha]
ADC (Handicrafts), Vice Chairman, IICT





ानदश्यक भारतीय कालीन प्रौद्योगिकी संस्थान (आई.एस.ओ. ६००९:२००८ प्रमाणित) विकास आयुक्त (हस्तशिल्प), वस्त्र मंत्रालय भारत सरकार के अधीन अ.क.प्राविधिक विश्वविद्यालय द्वारा संबद्ध एवं आभातशिप.भारत सरकार द्वारा अनमोदित Director,
Indian Institute of Carpet Technology
ISO 9001:2008 Certified
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

प्रोo(डा) के.के.गोस्वामी Pro. (Dr) K.K.Goswami

Message from The Desk of Director

It's my privilege in presenting the annual report of IICT for the year 2016-17, achieving the set targets during the year with the involvement of dedicated team members.

The performance of the Institute in all the portfolios like, Human Resource Development (HRD), Design Creation & Development (DCD), Research & Development (R&D) & Technical Support Service to Industry (TSI), is encouraging and motivating to put more dedicated efforts for attaining the new heights.

The passed out B. Tech. students of IICT are Serving the Carpet & allied Industry up to the satisfaction of the employer and trying to contribute the best possible efforts in the journey towards the growth & development of the industry.

We, the staff of IICT are committed to make IICT a centre of Excellence in all the portfolios as mentioned above.

Support of the Development Commissioner (Handicrafts) & Chairman, IICT, in all our endeavors to achieve the set targets is praiseworthy and is acknowledged.

I also acknowledge the support of Vice-Chairman, IICT, Executive Committee (EC) members, U.P.Gov. Local Administration, Dr. A.P.J. Abdul Kalam Technical University, AICTE in our efforts.

Co-operation from Carpet Export Promotion Council (CEPC),All India Carpet Manufacturer Association (AICMA), RCMEA,-Jaipur, EUPEA - Varanasi, AICEA-Mirzapur, AICYSDA-Bhadohi etc. made the success-journey, a pleasure & more rewarding .

Commitment of IICT Faculty & staff members to maintain the set standards in the field of discipline & performance, will lead I.I.C.T. to grow further.

Prof.(Dr.) K.K.Goswami Member Secretary & Director,IICT

पता – चौरी रोड, भदोही – 221401 ; फोन / Phone: + 91 5414 228404, 228409, 225504, फेक्स / Fax: 05414 225509 Address: Chauri Road,Bhadohi - 221401 ; ई-मेल/ Email: iict@iict.ac.in, वेबसाइट / Website: http://iict.ac.in



At a glance

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 raised 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. Institute has been ISO-9001:2008 certified and its laboratories 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.

Admission to IICT is done through **CSAB(Central Seat Allocations Board) JEE (Main)**, Besides B.Tech. Programme institute is also conducting IDLP (International Distance Learning Programme) in collaboration with **ag-Research**, **New zealand** & industry driven Short-term programme. IDLP consists of 7 different diploma out of 30 topics where as Short Term consists of 3 programmes.

Campus & Facilites

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 stat-of-the-art Administrative building consisting of Classrooms, Laboratories, Conference Hall, Library, Design Studio, Museum and Workshops. The campus is equipped with facilities like separate Hostels for Boys & Girls, Residential accommodation for employees, Open Air Theater for performing cultural activities, open space for Games, generator and Water supply system. Institute has also obtained 16.5 Acers land from Govt. of Uttar Pradesh in Bhadohi in Pipris, in which construction & development works are being undertaken.



Achievements











Executive Committee

Members of the Committee as on 31st March 2017

- Shri Shantmanu, IAS, Development Commissioner (Handicrafts) & Chairman, IICT.
- Shri Ratnesh Kumar Jha, Additional Development Commissioner (Handicrafts)
 & Vice Chairman, IICT.
- 3. Shri Shohan Kumar Jha, Sr. Director (HC), O/o DC (HC), New Delhi.
- 4. Shri Arun Kumar Yadav, Director (HC), O/o DC (HC), New Delhi.
- 5. Shri Radhe Shyam Mishra, IAS, Additional Commissioner Industries, representative of principal Secretary (I), Govt. of U.P.
- 6. Shri R.V.S. Mani, Dy. Secretary (Finance), MOT, New Delhi.
- 7. Shri N.K.Guin, representative Chairman, CEPC, New Delhi.
- 8. Shri Subodh Kumar Gupta, ED, CEPC, New Delhi.
- 9. Shri Bholanath Baranwal, BIL, G.T. Road, Khachhawan, Varanasi.
- 10. Shri R.K.Shrivastava, ED, NCDPD, New Delhi.
- 11. Shri S.S.Mohan, AD, Textile committee-Rep-Secy, TC, Mumbai
- 12. Shri S. R. Mina, AD, (Institutional), O/o DC (HC), New Delhi.
- 13. Shri R. K. Gond, CTO, Institutional Section,O/o DC (HC), New Delhi.
- 14. Dr. S.R. Rathore, Director (Admn), AICTE Nominee of Chairman AICTE, New Delhi.
- 15. Dr. Arindam Basu, DG, NITRA Ghaziabad nominee of V.C. AKTU.
- 16. M.A. Moon, representing Director CSTRI, Banglore.
- 17. Shri Ramesh Kumar Bundela representingED CWDB, Jodhpur
- 18. Shri Ashim Juneja, Jaipur Rugs, Jaipur representing Shri N.K.Chaudhary
- 19. Shri Piyush Baranwal, Hony. Secy, AICMA Bhadohi representing Precident AICMA
- 20. Shri R.K.Malik, Asociate Professor, IICT Director's Nominee
- 21. Shri S.K.Pandey, Asociate Professor, IICT Director's Nominee
- 22. Shri Saurabh Pandey, Charterd Accountant, M/s S. Kakkar & Co., Allahabad.
- 23. Shri Durgesh Kumar Tripathi, Accounts Officer, IICT- Director's Nominee
- 24. Prof. Dr. K.K. Goswami, Director & Member Secretory, IICT.

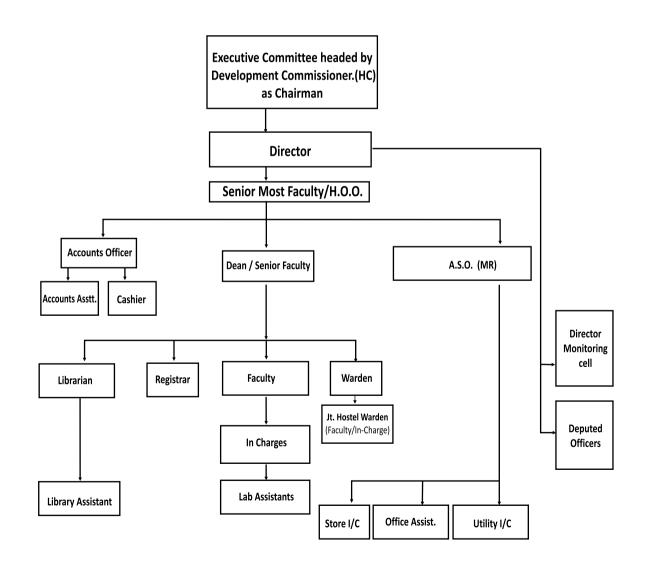


SGIVI & AGIVI

held during the year

56th EC meeting dated 29.03.2017 at New Delhi 55th EC meeting dated 24.01.2017 at New Delhi 54th EC meeting dated 08.09.2016 at New Delhi 15th AGM dated 08.09.2016 at New Delhi

Organizational Structure





Quality Policy & Mission Statements

Quality Policy

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

ISO 9001-2008 Certification of IICT

IICT was certified for ISO 9001-2008 certification. The institute is complying & fulfilling the norms of the ISO 9001 standards.

The scope of the audit covered:

- Human Resources Development Services which Includes B.Tech. Course in Carpet & Textile Technology & Short Term Courses.
- Technical support services for industries eg. Commercial testing, design development for carpet, (ii) textile & allied products (for aesthetic appeal).
- (iii) Research Services.

Mission Statement



Staffs

We, the staffs of IICT pledge that:

The Attempt will be made to resolve all sorts of issues in daily coordination and / or weekly review meetings. All staff members through this process will become a part of Management of IICT and learn to be happy through dedication.

We are committed to work through this participative management process under the Director, IICT so that all stake holders like Industry partners, students, Ministry of Textiles, Office of the Development Commissioner (Handicraft), Vendors/ contractors/ Service providers/ society, media etc. become an integral part of IICT.

We are determined to develop work culture through adoption of quick response, acceptance of assignment and quality system in letter and spirit. IICT is thus committed to adopt all sorts of Quality Systems like ISO 9000, NABL, Wool mark.

Mission Statement

** Students

We, the students of IICT pledge:

To set an exemplary benchmark and deliver a fair treatment to the new comers by elders and vice-versa;

To be punctual and regular in our classes and maintain 100% attendance;

To work hard and deliver better results in our academic activities:

To excel in our university exams and to ensure no carry over/backlogs;

To maintain the discipline and decorum of our institute to respect counselors, faculty/staff members of IICT;

To be dedicated by contributing volunteering labour for laboratories/ infrastructure / campus development;

To work as a unit and help our junior batches and ourselves in scaling new heights in curricular as well in extra-curricular fields, thereby making the dream of developing this institution as a center of excellence and temple of learning, come true;

Shall become excellent and credible in future life and create Brand Image for IICT.

Institute's Portfolios

IICT is functioning through its four portfolios which are: Portfolio wise details of Activities:

(Human Resourse development)



Introduced long term training like B.Tech & Diploma course.

B. Tech Course in Carpet and TextileTechnology (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.

431 Students serving the trade which includes higher studies in premier institutes like IITs, NITIE, ISM, IIM, NIFT.

228 students are under going graduation. Every year 60 students are available for placement w.e.f. July month Industry to come forward & utilise these resource

Futuristic plan: It has been possible to draft the futuristic plan which includes introduction of M.Tech in Carpet & Textile Management with 20 intakes and Ph.D. Programme covering Pre Ph.D. Course Centre for Textiles at IICT. More labs are also going to be created to cover advanced and novel activities like advanced Carpet & Home textiles manufacturing, Fashion/ Style/Texture, Designs, Information Technology EDP, Personality Dev./language skill including foreign language other than English.

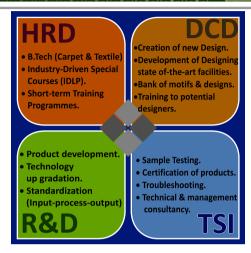
In this endeavor a holistic approach of repositioning of IICT will be made. The DPR for Phase III expansion in hand to reflect the roadmap

International Distance Learning Programme

Certificate/ Diploma course through International Distance Learning program (IDLP) in collaboration with AG Research, New Zealand duly approved by DEC,IGNOU, MHRD, Govt. of India. Students' enrollment in process. Working person at large can take benefit.

- 1. Diploma in Basic Textile Technology 2. Diploma in Wool Scouring Technology 3. Diploma in Textile Dyeing & Finishing 4. Diploma in Carpet Yarn Manufacture
- 5. Diploma in Carpet Technology 6. Diploma in Apparel Yarn Manufacture 7. Diploma in Carpet & Textile Designing
- Six Certificate topics). Six Certificate topics) Six Certificate topics) Certificate topics)

(Six Certificate topics) (Six Certificate topics) Certificate topics).



Industry can take benefit by enrolling their representative (s)on desired topic(s) given below by paying fee (@ Rs. 6000/- per topic) through IDLP conducted by IICT in collabora tion with Ag research Ltd , New Zealand. Effect to make IDLP Diploma holders eligible for lateral entry to B.Tech. course is in progress.

 Industry-driven special courses & IDLP Packages - 11 students are studying.

Short term courses: Tailor made Industry driven Short Term Training programs run time to time.

MES based: Application of Computer and IT in CarpetManufacturing.Carpet and Textile design using CADCarpet Yarn Dyeing Carpet weavingSpinning of woolen yarn Washing & Finishing of Carpet. More than 5000 persons have been trained so far to mitigate the skill

Through ISDS:1138 have been trained covering above mentioned 6 MES.

Through CHCDS: 3500 have been trained till date covering carpet weaving and another 1500 to be covered during in next phase on receipt of grant.

A skill India- move, the industry to utilize these skilled manpower to mitigate the skill gap

Industry to come forward and desire demographic dividend

(Job Creation and Skill Enhance - skill India in carpet and textile sector to supplement Make in India).

2. D C D (Design Creation & Development) IICT PORTFOLIO



Design Bank Created- More than 15000 designs are in place out of which around 3500 designs have been utilized by industry for commercial purpose. The variety of Design Bank includes Traditional INDIAN Motifs (Like: Harappa, Ajanta, Mughal, Rangoli, Jaipuri, Fulkari, Kantha, Paithani, Kalamkari, Banarasi, Jamewar etc.), modern motiffs etc. as per trend.

Industry at large to come forward, advice and take more benefit of bank, creativity and development global value at local cost.

(The above initiatives could focus on design creation and skill enhancement integrating Indiya collection an attempt to propagate Indian motif in carpet and textile sectors to supplement Make in India)

(In the current financial Year)

2016-17

- Design Lab (Design sold to industries) -08
- Design created under Design bank : 429
- Carpet Sampling Machine: It is being used by the industry to develop prototype samples of 18"x18"

(Research & Development)



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:
- Organic product:.
- Substitute to polyester shaggy:
- Buibun 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

Concept of Ergonomic and Flexible Tufting Frame:

 Cross Bar Horizontal Loom CBHL (Wooden or Metallic) for Hand knotted and Tibetan, Shaggy, Soumak etc



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



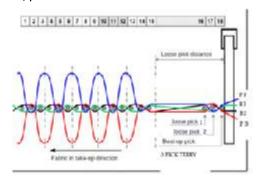
Snehabha Carpet Backing System:

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



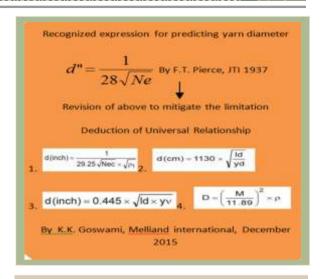
•Terry leno Structure :Another proprietary Make in India move to provide a new/cost effective carpet terry structure

The benefit of this R&D concept can be taken by carpet & Home textile includes towel industry at large to enhance their market/ market share/performance.



• Universal relation amongst diameter and linear density:

A published academic activity to supplement Make in India Mission:



17170 testing services provided to industry so far.

Consultancy provided to many units & organizations of repute. Further local industry units have derived free liaison visit/ trouble shooting service of IICT. which has benefitted them for instant solution their problem.



IICT Laboratories are accredited to NABL (ISO 9001.2008). Industry can take benefit of accredited facilities of global level testing/certification at local cost

Carpcost Software

A Piracy proof software has been developed and ready for use on CD for cost calculation of hand knotted carpet . The updation of software has been taken up & price has been reduced to Rs.5000/- from Rs. 25000/- to support the industry.



3. Research & Development (R&D).

IICT PORTFOLIO

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

It has features such as

- Comfortable working environment with ergonomic design of frame.
 Primary Backing Cloth is supplied Continuously

- 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.

- length.

 Superior quality of carpet production at nearly 200 sq inch per hour per weavers.



MECHANISED DHURRIE LOOM

Suitable for Floural Design Dhurrie Weaving



Features of the machines

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

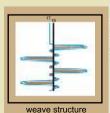
- Arrangement for winding bobbins from hank.
- Arrangement for warping larger length within a comfortable room environment.
- Weaving width in multiple of tree feet with Mechanical jacquard for designing.
- Uniform end spacing and accurate width adjustment
- full width panja for uniform beat up
- · larger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

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





JACQUARD CARPET LOOM

Suitable for Pile Carpet



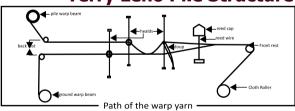
features.

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 . A 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 ¼ - ¾ 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







- 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.

4. Technical Support to the Industry (TSI).

IICT PORTFOLIO

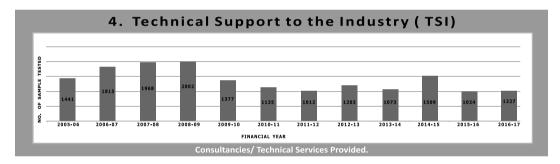
Institute has been providing continuous technical services to the industry through its various laboratories such as CAD Lab, Design Studio, Physical & Chemical Labs & Carpet Lab to fulfill their needs to compete with the global market. The details of sample testing during the year 2016-17 is as under:

Physical Lab Service		169
Chemical Lab Service }		895
Carpet Lab		<u>163</u>
		1227
Design Lab		: 437
a.Design bank	:	429)
b.Sale of Design	:	8 }
		J

List of Kaleen Bandhu Members (as on date 31.03.2017)

- 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.



- NABL Accredited Laboratory hence test reports are acceptable internationally.
- ❖ Industry can utilize the facilities available to confirm the products to be supplied asper requirement of buyers.
- ❖ Industry can hire IICT for consultation to enhance their business performance.
- "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.
- Book process control Carpet Manufacturing: The book authored by Prof. (Dr) K.K.Goswami, Director IICT is being useful in carpet industries in respect of process control to meet the buyers requirement. Hindi version of the book has also been published and considered for distribution to trainees and others under the sanctioned scheme.

Others

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

diversification

Party Interested may contact for further details.



The institute is established primarily to promote, aid and foster, directly or indirectly the development of carpet and floor coverings and textiles in Indiaand of the artisans and people engaged-in or concerned with carpet floor covering and textile industries by strategically planning, introducing and executing various programs aimed to enhance the quality and competitiveness of carpet and textile industry.

Mission of the Institution:

The broad approach to achieve the vision has been through creation of role clarity and portfolios. The strategy for the same is as under:

Missions	ACTIVITY			
M1: Human Resource Development	❖ Short Term Training			
(HRD)	❖ Certificate Course			
	❖Degree Course in Carpet and Textile Technology			
M2: Design Creation and Development	❖Creation of Design			
(DCD)	❖ Development of Design using CAD			
	❖ Bank of Motif/Design			
A42 Parada G Parada and	❖ Product Development			
M3: Research & Development (R&D)	❖Technology Upgradation			
(nab)	❖Standardisation: (Input Process Output)			
	❖ Sponsored Projects			
	❖ Sample testing			
M4: Technical Service Support to Industry	❖ Certification of Product			
(TSI)	❖Trouble Shooting			
	❖Technical & Management Consultancy			

Program Educational Objectives (PEOs)

The institute is accredited to ISO 9000 and ISO 17025. The quality policy indicating the PEO of the institute, is as under:

- ❖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 stake holders.
- ❖To improve our quality management system on continual basis through complying with the requirements of this standard.



Projects

Details of Projects

Details of Projects at IICT (Govt. & Private Sponsored)

Details of Project (Sanctioned 2016-17)

Sr. No.	Name of the Project	Reference and date of sanction/ completion/ coordinated by / project cost in Rs.Lakh.				
1.	Comprehensive Handicrafts Cluster Development Scheme (CHCDS)	C-11011/28/2011-12-CC(MC-BHADOHI-MIR)- 1/1332, Rs. 504.14Lakhs / 23.09.2015Dr. S.K.Pal/ Dr.S.K.Pandey/HRD/UC under process				
2.	Organizing handicrafts technical training program under HRD	No.I-15011/9(13)/CR/ HRD/HTP/2015-16/1301 Rs. 81.79Lakhs / 18/21.09.2015/Dr S K Pandey/HRD UC under process				
3.	Organizing handicrafts technical training program under HRD (SC Candidates)	No.I-15011/9(14)/CR/SC/ HRD/HTP/2015-16/1281 Rs. 83.90Lakhs /18/21.09.2015/ DR S K Pandey./HRD /UC under process				
4.	Workshop/ Seminar on Basic Elements of Carpet Design Creations in Carpet manufacturing workshop for youth of the society	K-12012/4/93/2015-16/R&D, Dt-29.02.2016, Rs.4.46 Lakhs/Dr.R.Karmakar/R&D/UC Submitted				
5.	Workshop/seminar on Computer Application in Carpet making perspective for youth in Bhadohi	K-12012/4/92/2015-16/R&D, Dt-29.02.2016, Rs. 4.46 Lakhs/Dr. S.K.Pandey/R&D/UC Submitted				
7.	Workshop/ Seminar on "Soft Skill awareness in carpet manufacturing workshop for youth of the society"	K-12012/4/86/2015/16/R&D, Dt-29.02.2016, Rs- 4.46 Lakhs/Dr.S.K.Pandey/R&D/Training Completed and UC under process				
8.	Workshop/ Seminar on CAD(Computer Aided Carpet Design) in Carpet manufacturing Workshop for youth of the society"	K-12012/4/94/2015-16/R&D, Dt-29.02.2016, Rs- 4.46 Lakhs/Dr.R.Karmakar/R&D/UC Submitted				
9.	Workshop/ Seminar on "Dhurry making craft for scheduled caste(SC) youth"	K-12012/4/87/2015-16/R&D, Dt-29.02.2016, Rs- 4.46 Lakhs/Dr.B.Dasgupta/R&D/UC Submitted				
10.	Workshop/ Seminar on Carpet embroidery for youth"	K-12012/4/85/2015-16/R&D, Dt-29.02.2016, Rs.4.46 Lakhs/Sh.S.K.Gupta/R&D/UC Submitted				
11.	Workshop/ Seminar on Tufted carpet Making Craft for scheduled caste (SC) youth	K-12012/4/95/2015-16/R&D, Dt-29.02.2016, Rs.3.12 Lakhs/Dr. B.Dasgupta/R&D/UC Submitted				
12.	Entrepreneurship workshop for scheduled caste (SC) youth	K-12012/4/88/2015-16/R&D, Dt-29.02.2016, Rs.3.69 Lakhs/Dr.B.Dasgupta/R&D/ UC Submitted				
13.	Workshop / Seminar on Mechanical Finishing of Carpet for youth	K-12012/4/91/2015-16/R&D, Dt-29.02.2016, Rs. 4.68Lakhs/Sh. Anu Mishra/R&D/UC Submitted				
14	Procurement and distribution of Carpet Loom / Frame under CHCD scheme at Mega Cluster at Bhadohi- Mirzapur.	C-11011/1/2012-13-CC-MC/Dt-16.12.2016 Sh.S.Shukla/ Dr. S.K.Pal/HRD/Running				
	Backing cloth for tufting carpet	M-19014/116/2016-17/MD(CR) Dt.27.12.2016, Rs. 1.00 Lakh/Dr.Moumita Bera/Marketing/Training Completed and UC under process				
	Carpet Yarn used in carpet making crafts.	M-19014/116/2016-17/MD(CR) Dt.27.12.2016 Sh. H. Mohapatra/Marketing Training Completed and UC under process				
	Carpet yarn dyeing used in carpet making crafts	M-19014/116/2016-17/MD(CR) Dt.27.12.2016 Rs. 1.00 Lakh/Sh. R.K.Mailk/Marketing Training Completed and UC under process				
	Textiles fibers for carpet yarn in handmade carpet craft	Completed and UC under process				
	Jute yarns in handmade carpet for carpet craft	M-19014/116/2016-17/MD(CR) Dt.27.12.2016 Rs. 1.00 Lakh/Sh. S.K.Gupta/Marketing/Training Completed and UC under process				



Continued.....

Sr. No.	Name of the Project	Reference and date of sanction/ completion/ coordinated by / project cost in Rs.Lakh.
	Mechanical Finishing of Carpet	Training Completed and UC under process M-19014/115/2016-17/MD(CR)/2084,
	Washing of Hand Made Carpet	Dt.27.12.2016 / Rs. 1.00 Lakh each project/Sh Anu Mishra Marketing/Training Completed and UC under process
	Application of Computer & I.T. in Carpet manufacturing	M-19014/115/2016-17/MD(CR)/2084,
	Awareness of soft Skill in Carpet industry	Dt.27.12.2016 / Rs. 1.00 Lakh each project Dr.S.K.Pandey Marketing/Training Completed and UC under process
	Entrepreneurship Awareness of Carpet Industry	Co unaci process
	Design and Technical Development Workshop on Carpet Embroidery	No J-12012/125/2016-17/DS/CR Dt. 06.02.2017 Rs. 4.30 Lakhs/ Sh. S.K.Gupta/Design Application invited
	Printing on pile carpets	No J-12012/125(1)/2016-17/DS/CR Dt. 06.02.2017 Rs. 4.30 Lakhs/Dr.B.Dasgupta/Design Application invited
	Jacquard Design on Dhurry	No J-12012/125(2)/2016-17/DS/CR Dt. 06.02.2017 Rs. 4.30 Lakhs/ Dr.B. Dasgupta Design Application invited
	Jacquard Design on Handloom Pile Carpet	No J-12012/125(6)/2016-17/DS/CR Dt. 06.02.2017 Rs. 4.30 Lakhs/Dr.B.Dasgupta/Design Application invited
	Basic Elements of Design creations through CAD	No J-12012/125(3)/2016-17/DS/CR Dt. 06.02.2017 Rs. 4.30 Lakhs/Dr.R.Karmakar/C.S.Bajpai/ Design/ Application invited
	Modern Carpet Design using CAD in Tufted Carpet	No J-12012/125(5)/2016-17/DS/CR Dt. 06.02.2017 /Rs. 4.30 Lakhs/Dr.R.Karmakar/C.S.Bajpai/ Design/ Application invited
	Carpet yarn dyeing and its quality control	No J-12012/125(4)/2016-17/DS/CR Dt. 06.02.2017 Rs. 4.30 Lakhs/Sh.R.K. Malik/Design/ Application invited
	Chain Stitch & Embroidery on Namda Carpet Craft at RCWPDS, Jaipur	NoJ-12012/126/2016-17/DS/CR/SC Rs. 15.35 Lakhs/ Dr.R.Karmakar/C.S.Bajpai/ Design/ Application invited
	Hand Block Printing Design on Durry Craft at RCWPDS, Jaipur	NoJ-12012/126(1)/2016-17/DS/CR/SC Rs. 15.35 Lakhs/ Dr.R.Karmakar/C.S.Bajpai/ Design/ Application invited
	Hand Knotted Carpets Based on Jaipuri Textile Design at RCWPDS, Jaipur	NoJ-12012/126(2)/2016-17/DS/CR/SC Rs. 15.35 Lakhs/Dr.R.Karmakar/C.S.Bajpai/ Design Application invited
	Handmade Durry Design Based in Indian Motifs at RCWPDS, Jaipur	NoJ-12012/126(3)/2016-17/DS/CR/SC Rs. 15.35 Lakhs/Dr.R.Karmakar/C.S.Bajpai/ Design/ Fund not received
	Handmade Durry Design Based on Jaipuri Design at RCWPDS, Jaipur	NoJ-12012/126(4)/2016-17/DS/CR/SC Rs. 15.35 Lakhs Dr.R.Karmakar/C.S.Bajpai/ Design /Fund not received



Academic & other Curricular Activities

Admission to B. Tech 1st year

Total intake in B. Tech. programme is 60. The JoSAA (Joint Seat Allocation Authority 2017) had allotted 60 candidates, out of which 42 candidates had taken admission from the said allotment.

Tuition Fee

The fees decided by Govt / APJAK Technical University, was realized from students.

Commencement of the Session:

The new session commenced from 02nd August, 2016 for the B. Tech. V & VII- Semester classes and B. Tech I & III Semester classes started from 13th August, 2016.

Examination Result and Performance

During Financial year 1st Apr.2016 to 31st Mar. 2017, 58 students of 12th batch (2012-16) appeared In VI, Sem. 69 students were appeared in exam and promoted to Fourth year In IV, Sem. 49 students were appeared in exam and promoted to Third year In IInd, Sem. 42 students were appeared in exam and promoted to Second year



About Staff

Overall Strength as on 31st march 2017

SL.No.	Name of the Employees	Designation
1.	Prof.(Dr.) K. K. Goswami	Director & Professor
2.	Dr. R. Karmakar	Associate Professor, CTD
3.	Shri Jaihind Chauhan	Lab Assistant, Textile Test.
4.	Shri R.K.Malik	Associate Professor, CTC
5.	Shri B.C. Ray	Workshop I/c
6.	Shri Jagdish	Unskilled Worker
7.	Shri Siddhartha Shukla	Admin. Cum S. Officer
8.	Shri Jayant Deshpande	Librarian
9.	Dr. Betty Dasgupta	Assistant Professor, CT
10.	Shri C.S.Bajpai	Design Lab I/c
11.	Shri Umakant Srivastava	Admin Assistant
12.	Dr. S.K. Pandey	Associate Professor , CSM
13.	Mohd. Waseem Ansari	Library Assistant
14.	Shri Amitabh Chatterjee	Lab Assistant, Engg.
15.	Shri Anu Mishra	Assistant Professor, FST
16.	Shri Shrawan Kr. Gupta	Assistant Professor Tech. (нтт)
17.	Ms Preeti Chaurasia	Lab Assistant Textile
18.	Shri Govind Yadav	Lab Assistant Electronics
19.	Shri Rajesh Verma	Assistant Professor Engg.
20.	Prof.(Dr.) Sanat Kr. Pal	Professor
21.	Sh. Durgesh Kumar Tripathi	Accounts Officer
22.	Dr. Moumita Bera	Assistant Professor, TDT
23.	Dr. Atanu Manna	Assistant Professor, Math
24	Shri D.Jana	Lab Incharge, Chemical Lab.
25	Shri A.Agrawal	Lab Incharge, Physical Lab
26.	Shri. H. S. Mohapatra	Assistant Professor
27.	Shri Darpan Singh	Computer Lab Assistant
28.	Shri. Vijay Kumar Gupta	Electric Technician
29.	Shri Naresh Kumar	Driver

All designation/ posts are made/being made unique in nature to build unique capacity required for the sector. Addition of employee to designation (s) may take place in due course of time to meet institute's requirement. The EC vide meeting dated 22.06.2007 resolved the issue as "Recruitment Rules including Reservation/Roster etc. to be followed/framed for all the regular posts created and being created through EFC Phase I & II respectively"

Visiting/Guest Faculty Engaged

- 1. Mr. Sharat Chandra Mahto
- 2. Dr. Abhishek Pandey
- 3. Dr. Kaushalendra Mishra
- 4. Dr. Manish Sinha

The engagement of visiting/guest faculty was made according to Service Rule of IICT, as per the clause no. 1 (1.13) of the Delegation of Administrative & Financial power to Director, IICT.



Visitors to the Institute

& their Comments (as it is)

Date	Name & Address of visitor	Comment
11 Jan 16	Madhair Verma Adhlina Vaid # Naveli, new delhi	initiative in keeping the heritage aline.
12 EP 10	York Time Glory Visitor from Flori Roy	Generally very 1. Ving but photo fee to the law see more.
2 April, 16	Rajneest Dule Principal Scap. MIME & Expert Fromthan	The Institute is doing a yearman Service in HRD fell in Engeliar Tepohlee. May be a despertinkage with Industry would make it more uniful. Congrete and Bell wisher to the Team.
HHR April 2016-	Schan Kumar Jha. Sensor Director Notional Handicrafts Handloom Museum & 010 D.c. Handicrafts-, New Jalla	The institute is excellent both infrastructure and beaching and beaching and beaching and beaching the property of the propert
		प्रिम्
05.09 2.016	District Magnetzade Whidolic	Vigolsed the institute. Future is bright. It was of latest in to with in they indust by and to use the latest leadness an System lates 8 mont classe will be use ful. Bush wishes for the institu
05-09-2016	Superintendent of Police Bhadohi.	Excellent Justitute.
		DR. ARVIND BHUSHAN PANUEY. OF. 4-16



Visitors to the Institute

& their Comments (as it is)

Date	Name & Address of visitor	Comment
16 Nov 116	Mughaul. Ara lucuho Tessado, Mexico/colombia	It was great to how explaned all the processes of rapects and, the festings from our was very find. Thouse you! I is.
04/01/17	R.C. PANDRY CDO BHADONI	It was very fileson to see the grank of untitle in the leadership of over your notes. 164000 and the training of faultapants.
	70	beganking mechanical and embroiding brain of confect wars very fruitful and enthusiants. What a getal furthin a mithelic.
20/01/17	Ray Kur Cornomi: Wodgewild	st was another day of another have I the
20 11)	Raten Kr. Snivar	In some one it valore
4-8-3017 9	क्षात्रक स्थित है के श्रीकरी केल-प्रसामक के अप्रिया इंटरकीय का भीरणध्	की के के के ह्वारी एकिश्व कही कि मिल्री केंद्री करान न जारित दार्थ केंद्रा के की हार्की के कार्य कार्य के किया शिक्त के कार्य कार्य कार्य के कार्य कार्य कार्य कार्य की की कार्य की कार्य के की कार्य की कार्य कार्य की की की कार्य की कार्य कार्य की कार्य की कार्य कार्य कार्य की की कार्य कार्य कार्य की कार्यों कार्य कार्य कार्य की की कार्य कार्य की की के की की की की की के दिवार के कार्य का कार्य कर कार्य की की कार्य की की की की की की
very us	my rest operation	- april ball
grimtel	K. fahr	



Seminar/Participation/

Workshops/Confrences/Publications

Prof. (Dr)K.K.Goswami, Director IICT

• Paper presented:

- Role of Technical Institution in Promoting innovation by MSME / Handmade Carpet Sector-Carpet-e-world
- 2. Standardization and value addition in Technical Textile at BIS, New Delhi 20.07.2016.
- 3. Role of Technical Institution in Make in India and Skill India Mission through training, inventions and innovations, TAI, West Bengal Unit, Kolkata

• Workshop / Seminar attended:

- 2-3 Jan. 2017 Seminar on Emerging Trend in Textile Fibre & Upgrade Engg.,GCETT -Behrampore.
- 3-4Dec. 2016 ITME, Mumbai
- 10 Oct. 2016 Lecture in seminar at, Mumbai
- 4 July 2016 Lecture in seminar at Welspun, Vapi
- 15-18 July IICF 2016 Coimatore
- 28/29 April Workshop on "Curriculum development for Textile Chemistry. Textile Tech, manmade fibre tech.& Textile Technology.

Dr. Atanu Manna, Asstt.Professor IICT

 A. Maji, A. Manna and P. D. Srivastava, Some B-Difference Sequence Spaces Derived by Generalized Means and Compact Operators, Kragujevac J. Math., 41 (1) (2017), 7-32. (University of Kragujevac - Faculty of Science)

Dr. Moumita Bera, Asstt. Professor IICT

M. Bera, P. Paul, "Influence of weave design on the properties of fabric", Milliand International, March, 2017, Vol. 23, Page 27-29.

Dr. R. Karmakar, Associate Professor IICT

- Coordinated Project/Workshop:
 - Organized 3 days Workshop on "Basic Element of Design at IICT Bhadohi" for SC category artisan Sponsored by : O/o Dc (HC), New Delhi Under Resarch & Development Scheme held at IICT-Bhadohi. (22-10-2016 to 24-10-2016)
- Organized 3 days Workshop on "CAD (Computer Aided Carpet Design) at IICT Bhadohi" for SC category artisan Sponsored by: O/o Dc (HC), New Delhi Under Resarch & Development Scheme held at IICT- Bhadohi. (22 -10- 2016 to 24-10-2016)

Dr. S. K. Pandey, Associate Professor IICT

- Emerging Opportunities and Challenges in Indian Carpet Industry" in Asian Journal of Multidisciplinary Studies ISSN: 2321-8819 (Online) Volume 3, Issue 1
- Developing Interpersonal Attitudes and Skills An imperative for corporate" in International Journal of Research (IJR) (ISSN 2348-6848) Vol-2, Issue-01.
- Need of Effective Marketing Modes for Developing Domestic Market for Indian Carpet Industry in Journal for Studies in Management and Planning, e-ISSN: 2395-0463 Volume 01 Issue 06 July 2015

Dr. Betty Dasgupta, Asstt.Professor IICT

- 1. Workshop on Dhurry Craft for SC youths
- 2. Workshop on Tufted Carpet for SC youths
- 3. Workshop on Enterprenures for SC youths

Sh. S. K. Gupta, Asstt.Professor IICT

- S. K. Gupta, K. K. Goswami and A. Majumdar, Modeling of Abrasion Resistance of Persian Handmade Wool Carpets using Response Surface Methodology, Fibers and Polymers, 2016, 17(4), 637-643.
- S. K. Gupta, K. K. Goswami and A. Majumdar, Optimization of Durability of Persian Hand -Knotted Wool Carpets by Using Desirability Functions, *Textile research journal*, 2016, DOI: \10.1177/0040517516676056.

Sh.C.S.Bajpayee, In charge-DESIGN LAB, IICT

- Participated in the INDIA CARPET EXPO 2016 from 03/10/2016 to 06/10/2016, Sponsored by CEPC at S.Sanskrit University, Varanasi.
- Participated in the INDIA CARPET EXPO 2017 from 27/03/2017 to 30/03/2017, Sponsored by CEPC at Pragati Maidan, New Delhi.

• Coordinated Project/Workshop:

- Organized 3 days Workshop on "Basic Element of Design at IICT Bhadohi" for SC category artisan Sponsored by: O/o Dc (HC), New Delhi Under Resarch & Development Scheme held at IICT-Bhadohi. (22-10-2016 to 24-10-2016)
- Organized 3 days Workshop on "CAD (Computer Aided Carpet Design) at IICT Bhadohi" for SC category artisan Sponsored by: O/o Dc (HC), New Delhi Under Resarch & Development Scheme held at IICT- Bhadohi. (22 -10- 2016 to 24-10-2016)

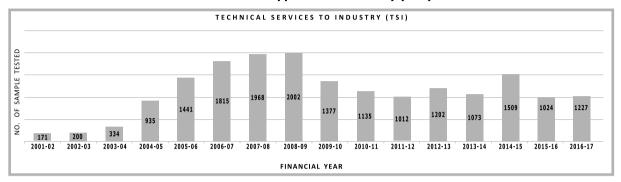


Graphical Representation

Services rendered to the industry & Design lab services as on date

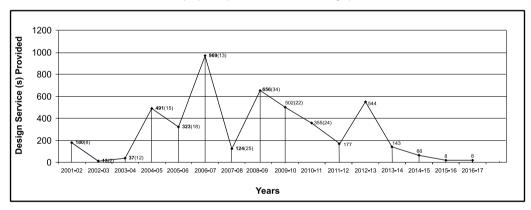
Testing Services

4. Technical Support to the Industry (TSI)



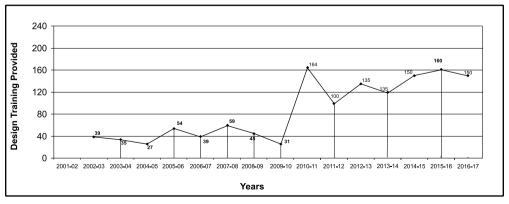
Design Lab Services

(Graphical representation based on sold designs



Trainees trained by Design Lab

(Graphical representation based on trainees no.)





RFD (Result-Framework Document)

Performance Evaluation: April 2016 to MARCH, 2017

Onjection	Actions	Citizate	Linit	Weight		Target	Cideria s-	Less		Achieved
2014/2014/2014	2000000000	Success indicator	\$5.000 E	(C)1-5003	Excellent Very go			Fair	Pcor	
					100%	90%	20%	7C%	60%	
luman Resource Development (HRD) for Carpet and	Enro Iment in long term, short term and industry driven courses	ntakeyenrollment of students/trainees	N.S.	0.5	500	450	400	350	300	982 (8.Tech 232, HRD 720, CAD 30
allied Sectors.		Teaching Pedagogy	M Dace		100	90	83	2C	50	100
		Faculty Development	Deputation for Algher Studies/ Training (No.)		5	4	s	7	2	5
			Pual cetton (No.)		5	4	3	2	2	5
			Plant dication in National International Conference/ Seminar (No.)	9 S	5	4	3.	,	æ	5 Score 0.5
2.Comprehens ve 3 & D support to the sector	Conceptualisation of now ideas (mout of Innovator(s) through so f, project, R&D and students dissertations)	Dissemination through seminary conference - rublication, potential ayrightion.	No	0.2	ä	#a	4	£	1	1: Score 0.2
3.Technical Support 8. Service to the Sector	To upgrade the editing laboratory	Creation of New Testing facilities to meet the registerness of	Nu	0.05	10	59	EB S	07	Ds	10
		stakend deps • Issuing of test reports	Na	0.25	1000	900	30¢	700	€00	1:8€
		 rouble shooting /Laspra 	Na	0.75	-50	45	20%	યર	3.80	5.are 3.1
4.Com a rehensive	Development of	• Sank of Design	Na	0.05	500	45C	400	330	300	429
Design subject to	new des gns &	• Secrif Design	No	0.025	250	225	200	-75	152	20
the sector	Design Bank	Design gulasnos	Na	6.625	50	25	+0	35	30	33 Score 0.0644
S. Infrastructure δι	Expansion of Expansion Plan Phase II	Other tips of tipse (see) see) and	36	0.1	130	90	30	73	50	Achieved
Administratic (-Completion of projects Continuation of- ISO-9000 2008 .	Time ivacinaletion Constituation with addition of criticia	Time line	Compl- etion in time	No de ay		Delay by 6 months		Defeyby 10 merth:	Notestay
	- ISO 17025-2003 (NASL) - NESL-A CIT- Acon (Hatron of Textiles Institute (Mancheston	related to exhibit on of trensperency and in distiblines and performance of faculty/staff	1970/2010/2010	Kenewal In time		Delay by 4 months	De ay sy C months	Deley by Pirronth	É elay by L2 months	No de ay Score 9.1
	1,000,000,000	19810023 - V						rall Tota		<u> </u>



Budget Allocation, Utilization, and Public Accounting

Summary of current financial year's budget and actual expenditure incurred (for the institution exclusively)

in the three previous financial years.

Total Income at Institute level: For CFY, CFYm 1, CFYm 2 & CFYm 3
CFY: Current Financial Year, CFYm 1 (Current Financial Year minus 1), CFYm 2 (Current Financial Year minus 2) and CFYm 3 (Current Financial Year minus 3)

For CFY -2016-17

(Amount in Rs.)

Total Income:			Actual	Total No. of students: 228			
Fee	Govt.	Grant(s)	Other Sources (specify)	Recurring including Salaries	Non- Special recurring Projects/Any other, specify		Expenditure per student
13208960	63891786	***	12931041	59460716	13891786	***	260793

For CFY (2015-16)

Total Income:				Actual	Total No. of students; 252		
Fee	Govt.	Grant(s)	Other Sources (specify)	Recurring Including Salaries	Nan- recurring	Special Projects/Any other, specify	Expenditure per student
12586415	38036439		17584050	51541070	14086429	TER	204528

For CFY (2014-15)

Total Income:			Actual	Total No. of students; 297			
Fee	Gavt.	Grant(s)	Other Sources (specify)	Recurring including Salarles	Non- recurring	Special Projects/Any other, specify	Expenditure per student
12672173	35000000	à	6744251	53270055	4188500	Œ	179360