

ADMISSION NOTIFICATION (2010 – 2011)
FOR
FOUR SEMESTER M. TECH. COURSE IN TEXTILE TECHNOLOGY (TECHNICAL TEXTILES)
UNDER THE UNIVERSITY OF CALCUTTA
AT
INSTITUTE OF JUTE TECHNOLOGY, KOLKATA

1. **Name & Address of the Institute** : Institute of Jute Technology, 35, Ballygunge Circular Road, Kolkata – 700 019 . Ph : (033) 2461-5444, 2461- 5326 , 2461-5477; Tele Fax : (033) 2461-5632, E-mail : ijt@cal2.vsnl.net.in ; Website : www.ijtindia.org

Contact Person (M Tech course co-ordinators, IJT) ; Prof A K Samanta and Prof S C Ray, e.mail:

2. **Status of the Institution** : This is a autonomous grant in aided Institute receiving major recurring grants from Jute Manufactures Development Council (Presently National Jute Board), Ministry of Textiles, Govt. of India. This Institute is registered under Society Registration Act. 1961 as an autonomous educational Society.
3. **No. of AICTE Approved Seats For M Tech Course** : 10 (General) Gate & Non-Gate +5 (Sponsored) + 3(SC/ST)
4. **About the M. Tech. Course in Textile Technology (Technical Textiles)** : This M Tech Course is specially designed to cover the state in art advancement in Textile Technology and chemical processing in general and the Technical Textiles in particular. The course contains eleven(11) theoretical papers of each 100 marks namely Advanced Engg, Math. & Statistics, Industrial Polymers & High Performance Fibers, Advances in Spinning & Technical Yarns, Advances in Weaving & Technical fabrics, Non-wovens ,Composites, Knitting , Textile Testing , Textile Structures and Analysis, Technical Textiles-I and II (Packaging textiles, Geotextiles, Agro textiles, Sports textiles, Home textiles, Automotive textiles, Build-textiles, Protective textiles and Medical textiles etc.) , Production and Entrepreneurship Management & Costing, Computer Applications, Clothing Science and Advances in Chemical Processing etc. along with six practical papers on Manufacture of technical yarns , technical fabrics and Fibre reinforced Composites etc. besides their physical and chemical analysis and testing as well as minor and major project work on specialized areas of technical textiles. This course was first introduced in 2005 and since then it is continuing till date as a prestigious master degree course in Textile Technology with specilisation in Technical textiles with special emphasis of Jute and other natural fibres and technical textile products.
5. **Eligibility for Admission**: A candidate who has passed the B. Tech. examination in Jute and Fibre Technology or Fibre Technology (Jute) or Fibre Technology or B. Sc.Tech./ B. Tech. examination in Textile Technology of the University of Calcutta or Bachelor Degree in Textile Engineering/Textile Technology/Textile Chemistry of other recognized University or an equivalent examination recognized by the University of Calcutta will be eligible for admission to the Master of Technology (M. Tech.) course in Textile Technology (Technical Textiles).
6. **About the Faculty** : This Institute has well qualified and experienced Faculty and Technical staff to cater the need of both theoretical and practical teaching in undergraduate and post graduate courses of this Institute under the University of Calcutta. Leading Scientists, academicians and experienced technologists of various reputed organizations are also invited to deliver lectures as Visiting Faculty.
7. **About Library & Laboratory Infrastructure** : This Institute has a well equipped library having more than 14,000 books and about 1200 back-volume journals with adequate library infrastructure facility for undergraduate and post graduate students. IJT currently procures 2500 national journals and 11 foreign journals each year.

8. **Hostel Facility** : No hostel facility is available at present. Guest house/Mess accommodations are available within 2-5 Km from the Institute at reasonable cost, however, the charges may vary from place to place.
9. **Course Fees** : Rs. 9,500/- per semester for GATE and NON-GATE students and Rs 12,500/-for Industry or any other organisation Sponsored students only.
10. **Scholarship** : No Institutional Scholarship is available at present. However ,GATE qualified candidates may obtain Scholarship directly from AICTE applying through proper channel only after the admission in this course.
11. **Admission Procedure** : GATE qualified students will be preferred. Admission for all category of students will be made through an admission test and interview conducted by the Institute on specific date and time.

12. **Important Dates** :

Date of advertisement : 11-07-2010 in the Ananda Bazar Patrika and The Telegraph.

Last date of Submission of the Admission Form : 30. 07. 2010,

Date of Admission Test and Interview : 05.08.2010 at 12.00 noon.

Last Date of Admission : 10.08.2010

Commencement of the Course : From 2nd or 3rd week of August, 2010

13. **Application Form** : The candidates are to apply in the prescribed format available from the IJT office or Course co-ordinators or may be downloaded from Institute website, WWW.ijtindia.org.

14. **Requirements During Admission** :

- (a) Pass Certificate / Provisional certificate and/or Marksheet of B. Tech in relevant field
- (b) Madhyamik Certificate as proof of age
- (c) Medical Certificate for medical fitness
- (d) Cast Certificate for SC/ST candidate and
- (e) Transfer Certificate, / no objection certificate /proof of admission cancellation, if already admitted to other College,
- (f) If GATE qualified, Score card of GATE
- (g) If Sponsored, original letter of sponsorship
- (h) No objection from present employer, if the candidate is presently employed anywhere and
- (i) The course fee in full (Rs 9,500/-per semester) applicable for the first semester of the M Tech course, to be paid by a demand draft in favour of "Institute of Jute Technology" payable at Kolkata.

15. **Contact Persons (Course Co-co-ordinators)** : Prof (Dr) A K Samanta (Mobile-09831161529) e.mail: ijt_aksamanta@hotmail.com and Prof. (Dr) Sadhan Chandra Ray, e.mail: sadhan53@yahoo.co.in
Address : Institute of Jute Technology, 35, ballygunge Circular Road, Kolkata-700 019.

16. **Copy of the Advertisement** :

**INSTITUTE OF JUTE TECHNOLOGY
35, Ballygunge Circular Road. Kolkata-700 019
Phone- 2461-5444/5326**

Invites application for admission to M Tech Course in Textile Technology (Technical Textiles) under Calcutta University. for 2010-11. Last date of of application: 30th July-2010. Date of admission test: 5th August 2010 at 12 noon. For application form and other details contact IJT office or see IJT-website : www.ijtindia.org.

M Tech (TT) Admission form:

APPLICATION NO :

INSTITUTE OF JUTE TECHNOLOGY

35, Ballygunge Circular Road. Kolkata-700 019

Ph : (033) 2461-5444, 2461- 5326 , 2461-5477; Tele Fax : (033) 2461-5632,

E-mail : ijt@cal2.vsnl.net.in ; Website : www.ijtdia.org

**APPLICATION FORM FOR ADMISSION TO
FOUR SEMESTER M. TECH.COURSE IN TEXTILE TECHNOLOGY (TECHNICAL TEXTILE)**

01. Name in Full (Capital letters) :
02. Address: a) Present :
- b) Permanent :
03. a) Date of Birth :
- b) Age as on 1st Aug. 200... :
04. Nationality :
05. Caste : Weather SC/ST/ General :
(If SC/ST , attach certificate from appropriate authority)
06. Name of farther/guardian :
07. Address of father/guardian :
08. CATEGORY : GATE/NON-GATE - :
(If GATE, Mention Score of GATE & year & attach attested Copy)
09. Academic record :

Examination	Board/University	Year	Division/ Class	% of Marks	Subjects

10. Professional experience :

Organization	Length of service	Type of experience

11. Specialization :

12. Specialised Training ,if any

13. Professional membership :

14. Extra curricular activities :

15. Scholarships & Awards :

16. List of Publications of Technical papers/ conference Papers and Seminar /Conference attended (Use separate sheet , if required) :

17. References (Give Name and addresses with phone / fax no. or e. mail address for one references) :

18. List of Testimonials attached :

The details given above are true and correct to the best of my knowledge

Date :

.....
Signature of the Candidate

Place :

Course structure and Schedule of Papers with Distribution of Marks for

M.TECH. DEGREE COURSE IN TEXTILE TECHNOLOGY (TECHNICAL TEXTILES)

Under The University of Calcutta

Being Conducted at Institute of Jute Technology, Kolkata - 700 019

SEMESTER –I

Theoretical Papers			
Paper no. & Code	Subject	Full Marks	Contact Hours/week (L - P)
Paper : I (Course No. MT511)	Advanced Engineering Mathematics and Statistics 1st half : Engineering Mathematics & Numerical Analysis 2nd half : Industrial Statistics	50 50	3 - 0 3 - 0
Paper : II (Course No.MT512)	Industrial Polymers And High Performance Fibres a) 1st Half: Industrial Polymers 2nd Half: High Performance Fibres	50 50	3 - 0 3 - 0
Paper : III (Course No.MT513)	Advances In Spinning & Technical Yarns a) 1stHalf :Advances in Spinning b) 2nd Half :Manufacture of Technical Yarns	50 50	3 - 0 3 - 0
Paper : IV (Course No.MT514)	Advances In Weaving & Technical Fabrics a) 1st Half : Advances in Weaving b) 2nd Half :Manufacture of Technical Fabrics	50 50	3 - 0 3 - 0
Subtotal (Theoretical)		400	24 - 0
Practical Papers			
Paper : V (Course No.MT515)	Manufacturing of Technical Yarns & their Testing	50	0 - 3
Paper : VI (Course No.MT516)	Manufacturing of Technical Fabrics & their Testing	50	0 - 3
Subtotal (Practical)		100	0 - 6
TOTAL(Semester-I)		500	24 - 6

SEMESTER -II

Theoretical Papers			
Paper no. & Code	Subject	Full Marks	Contact Hours/week (L - P)
Paper : I (Course No.MT521)	Coating, Lamination, Composites and Non-wovens 1st half : Coating, Lamination & Composites 2nd half : Non-woven Technology	50 50	3 - 0 3 - 0
Paper : II (Course No MT522)	Knitting Technology & Structure & Analysis of Technical Textiles 1st half: Knitting Technology 2nd half : Structure & Analysis of Technical Textiles	50 50	3 - 0 3 - 0
Paper : III (Course No. MT523)	Technical Textiles – I 1st half : Geo-textiles, Build-textiles & Agro-textiles 2nd half : Transport Textiles, Pack-textiles and Industrial Textiles.	50 50	3 - 0 3 - 0
Paper : IV (Course No. MT524)	Entrepreneurship, Production Management, Costing & Financial Analysis 1 st Half : Entrepreneurship & Production Management 2 nd Half : Costing and Financial Analysis	50 50	3 - 0 3 - 0
Subtotal (Theoretical)		400	24 - 0
<i>Practical Papers</i>			
Paper : V (Course No. MT525)	Manufacturing of Coated/Laminated Textiles & Composites & their testing	50	0 - 3
Paper : VI (Course No. MT526)	Testing and Analysis of Polymers, Fibres, Composites and Technical Textiles.	50	0 - 3
Subtotal (Practical)		100	0 - 6
TOTAL(Semester-II)		500	24 - 6

SEMESTER –III

Theoretical Papers			
Paper no. & Code	Subject	Full Marks	Contact Hours/week (L - P)
Paper : I (Course No. MT611)	Computer Programming and its application in Textiles		
	1 st Half : Computer Structure and Programming	50	3 - 0
	2 nd Half : Application of Computer in Textiles	50	3 - 0
Paper : II (Course No. MT612)	Clothing Science and Advances in Chemical Processing		
	1 st Half : Clothing Science	50	3 - 0
	2 nd Half : Advances in Chemical Processing	50	3 - 0
Paper : III (Course No. MT613)	Technical Textiles – II		
	1st half : Medical-textiles & Eco-textiles	50	3 - 0
	2nd half : Protective-textiles and Home/Cloth/Sports textiles	50	3 - 0
Subtotal (Theoretical)		300	18 - 0
<i>Practical Papers</i>			
Paper : IV (Course No. MT614)	Computer Programming and its Applications in Textiles	50	0 - 3
Paper : V (Course No. MT615)	Chemical Processing & Functional Finishing	50	0 - 3
Paper : VI (Course No. MT616)	Minor Project Work	100	0 - 6
Subtotal (Practical)		200	0 - 12
TOTAL(Semester-III)		500	18 - 12

SEMESTER -IV

Project Work, Seminar & Viva-Voce			
Paper no. & Code	Subject	Full Marks	Contact Hours/week (L - P)
Paper : I (Course No. MT621)	Major Project Work (Thesis)		
	a) Project Work & Report Writing	200	0 - 24
	b) Project Seminar & Viva-Voce	200	
Paper : II (Course No. MT622)	Comprehensive Viva-Voce	100	--
Subtotal (Practical & Viva)		500	0 - 24
TOTAL(Semester-IV)		500	0 - 24
GRAND TOTAL OF SEMESTER I + SEMESTER II + SEMESTER III AND SEMESTER IV		2000	66 - 48