

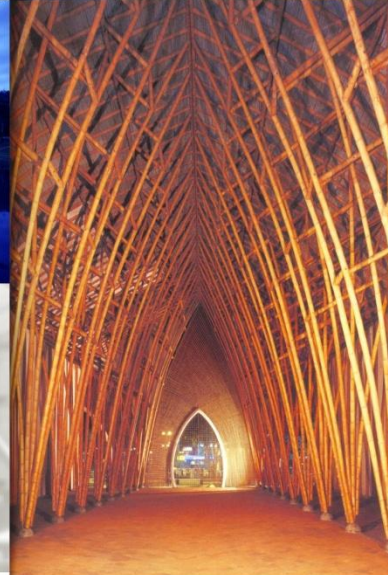
## “ Bamboo Application Technology”

Bamboo is the most rapidly renewable resource on Earth which removes Carbon-di-oxide (CO<sub>2</sub>) from the atmosphere. It is a strong, resilient and enduring building material which is stronger than steel by weight

Bamboo is a grass and it grows like grass-fast. It can grow to its full height and diameter in a matter of months and be ready to harvest for structural use in 3 to 4 years.

It efficiently produces more usable timber/ acre/year than other trees. It has innumerable and diverse uses in everyday life, for example: it is used as building material, making furniture, clothing, paper, food, biomass, fodder etc. There are more than 1500 listed uses of bamboo

The Overall Vision for this course is to use Bamboo for an Integrated Environment friendly development and generating Employment opportunities for the masses.



**CENTRE FOR GREEN BUILDING MATERIALS & TECHNOLOGY**  
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# **“BAMBOO APPLICATION TECHNOLOGY”**

## **PROSPECTUS, ADMINISTRATION, CURRICULUM**

**CENTER FOR GREEN BUILDING MATERIAL AND TECHNOLOGY, BANGALORE**

**&**

**DISTANCE EDUCATION CELL**

**DAYALBAGH EDUCATIONAL INSTITUTE**

**[DEEMED UNIVERSITY]**

**DAYALBAGH, AGRA**

**INDIA**

*(Affiliation of DEI is under progressing)*

## Diploma Course in 'Bamboo Application Technology'

**Course Duration:** One Year+ Project Work(Training)

**Eligibility:** Minimum Qualification – 12<sup>th</sup>,ITI,Diploma .

**Mode of Distance Education:**

1. A mix of traditional instruction and e-education.
2. Unique system with counseling sessions held at Study Centers with Videos, live and web-based lessons.
3. In Synchronous or Live mode, lectures will broadcast live, in video conferencing mode.
4. Students provided with self-learning printed material, question banks and access to reference material.
5. Fully equipped workshops, live sites etc. for practical training and locally and through well planned contact programmes at Headquarters.

<b>First Semester</b>			
SI.No	Course code	Title	Theory/Practical
1	BT 101	Bamboo Technology Overview	Theory
2	BT 102	Bamboo- Properties, Plantation and Harvesting	Theory/ Visit
3	BT103	Enhancement of Natural durability of Bamboo	Theory / Practical
	BT104	Joining and Prefabrication	Theory / Practical
5	BT 105	Bamboo Handicrafts, Cottage industry and product strategy	Theory / Practical
6	CEC 141	Cultural Education	Theory
7	RDC 141	Social service	Practical
<b>Second Semester</b>			
SI.No.	Course code	Title	Theory / Practical
1	BT 201	Bamboo Building Construction	Theory / Practical
2	BT 202	Construction of Bamboo Structures	Theory / Practical
3	BT 203	Bamboo Based Industries	Theory / Visit
4	BT 204	Disaster Management	Theory / Practical
5	BT 205	Entrepreneurship development	Theory
6	CRC 241	Comp. study of Religion	Theory
7	GKC 241	G.K. & Current Affairs	Theory
<b>Third Semester</b>			
SI.No	Electives	Project Work (8 Weeks)	Theory / Practical
1	BT 301	Crafts Training -- Project	Practical
2		Industrial Training -- Attachment with industry	
3		Constructure of Bamboo structure -- Project work	
4		Bamboo Propagation & Plantation	

### Examination

The standard DEI system of exams i.e. quizzes and class tests shall be set, administered and evaluated by the mentor. Practical examinations will be conducted to ensure passing out student have achieved minimum expected skills and expertise to meet the course objective.

**Note:**

1. Application form can be downloaded from <http://www.cgbmt.net>