



**Diary making workshop under
Green technology by
Archineering section for
3rd and 4th yr BTM students**

BNCA
MAHARSHI KARVE STREE SHIKSHAN SAMSTHA'S
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FOR WOMEN**
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ABOUT THE WORKSHOP :

Under the Green Technology Initiative by Archineering section of BNCA ,a workshop for making environment- friendly diaries was conducted during July 2019.

This was inspired by **Green Good Deeds**, the social movement launched by the Union Ministry for Environment, Forest & Climate Change (MoEFCC). This, in turn was in concurrence with various environmental declarations made by international communities from time to time. These declarations can be put to practice at ground level, by involving every section of the society. In this context, Green Good Deeds are small positive actions to be performed by individuals or organizations to strengthen the cause of environmental protection. This social campaign aims to actively involve teachers, students and voluntary organizations.

With the above points in view, the main aim of the workshop was to imbibe the culture of **'Recycle and reuse'** among the students. So used sheets, papers etc. from previous years were used as raw materials for making diaries. The students were encouraged to use these diaries for class work, sketches etc.

CONDUCTED BY

The workshop was conceptualised by Prof.Poorva Kulkarni and Prof.Geeta Nagarkar. All Building technology teachers and students of 3rd and 4th yr. participated in this workshop. Prof. Jayant Patwardhan also imparted the requisite skills for making these diaries.





HANDS- ON WORKSHOP ON **TENSEGRITY** by **ARCHINEERING SECTION** for 3rd Year B. Arch students

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ABOUT THE WORKSHOP

The syllabus of semester VI B.,Arch, has a furniture module where students prepare detailed drawings of conventional furniture. In order to introduce them to unconventional furniture designs, the concept of Tensegrity was introduced.

A tensegrity module is conducted at BNCA as a part of M. Arch Digital Architecture, where students work on exploring Tensegrity to make large scale installations. The workshop, while being very relevant to the third year syllabus, also introduced a small component of the Masters course to the B. Arch students in the form of a hands- on workshop at a smaller scale. The objective of the workshop was to learn about the structural system of Tensegrity through a hands-on exercise.

CONDUCTED BY

The two day workshop was conducted by Prof. Smita Ogale, who is ABTS tutor for 4th year B. Arch and she has a Masters degree in Digital Architecture. All the tutors of third year Building Technology also participated in this workshop.



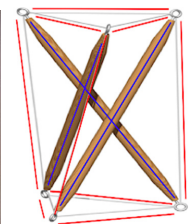
Prof. Smita Ogale

WORKSHOP ITINERARY

DAY 01 : 30TH September 2019

Classroom presentation on Tensegrity for all four divisions

- The presentation introduced the students to unconventional furniture designs based on the principle of Tensegrity and an introduction to Tensegrity as a structural system.
- The constituent members of a tensegrity system and load transfer in Tensegrity structures was explained to the students.
- The types of tensegrities based on the number of compression members was explained to the students. Illustrative videos on how to make the Tensegrity types were shown to the students
- Besides this, a brief history on who invented Tensegrity and an overview of Architects who have worked on Tensegrity and their projects was a part of the presentation.
- A large scale project of a bridge built using Tensegrity was shown to the students as an application of Tensegrity apart from installations and furniture.



— compression
— tension

Unconventional furniture and structural system of Tensegrity



Kurilpa Bridge : Brisbane, Australia



Classroom presentation



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Output of the workshop

After the presentation, the students were explained about the output of the workshop :

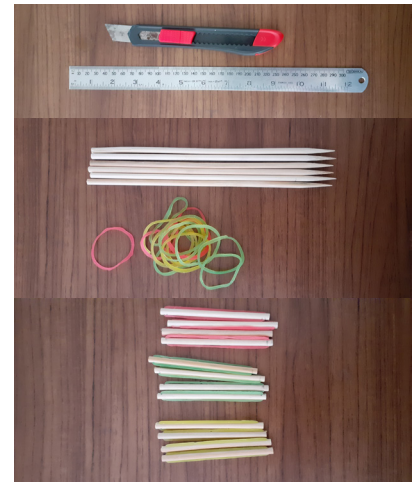
- Making the 3,4 and 5 strut antiprism and 6 and 12 strut tensegrity modules
- Photo documentation of the process of making the tensegrity models, with a few explanatory sentences.
- Using all 12 struts to make the tensegrity of your choice and demonstrate an application like table/ lantern/ sculpture to an appropriate scale. The model should be pasted on an A4/A3 base with a title and few explanatory sentences

Day 01 Hands- on activity

- The material required for the workshop was prepared a week in advance and the hands on activity was started using the videos as a guideline. Add images of material.
- The students made the 3 strut and 4 strut tensegrity type in the hands-on activity and documented the process on day 01.

DAY 02 : 3rd October 2019 Hands- on activity

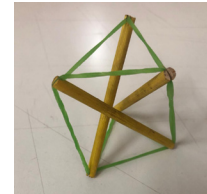
- The students made the 5, 6 strut and 12 strut tensegrity modules in the hands-on activity and documented the process on day 02.
- The students continued working on the application models and the completed models were documented and submitted to the respective subject teachers.



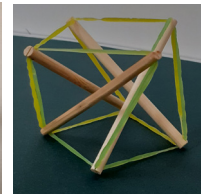
Material required for the workshop



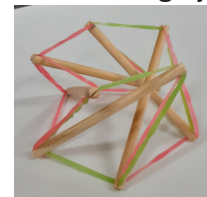
Hands on demonstration



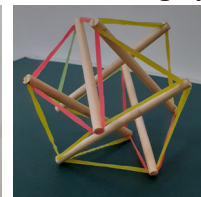
3 strut tensegrity



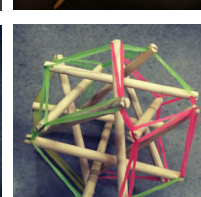
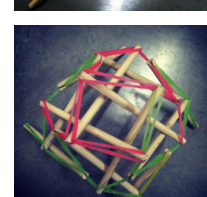
4 strut tensegrity



5 strut tensegrity



6 strut tensegrity



Documentation of process of making a 12 strut tensegrity



3 strut tensegrity with PVC pipes and nylon rope used as a support for tabletop



BNCA | Events and Activity Reports

Event / Activity title: LinkedIn Workshop - Faculty Development

Date & Time: 6th Dec 2019

Venue: BNCA, Karve Nagar, Pune

Faculty In-charge: Ar. Nidhi dixit Laturkar

Faculty Co-ordinator:

Students' In-charge:

NAAC Criteria (if any):

Guest Speakers: - Hrushikesh Shrotriya

Chief Guest (if any): -

Objective of this Event: The workshop aimed to enhance digital presence, foster professional networking, and promote creative work showcasing for faculty and practicing architects.

Summary of the event (150-200 words):

The workshop focused on faculty development through a hands-on LinkedIn session. It emphasized the importance of a strong digital presence for faculty members and practicing architects. The primary goal was to cultivate a habit of showcasing work, creating impactful professional profiles, and building networks with industry experts and faculty from other institutions.

Participants: 30 faculty participated.

MKSSS's Dr. Bhanuben Nanavati College of Architecture for Women, Pune



MKSSS's Dr. Bhanuben Nanavati College of Architecture for Women, Pune

Attachments:

1. Please attach 5 photographs during the event
2. 5 photographs of the output (if it's a Workshop)
3. Event poster/s
4. Attendance Sheet (Hard Copy Attached with Signatures)
5. Feedback from participants and speakers/experts
6. Learning Outcomes and assessment (if any)
7. Letters of invitation, letter of appointment or confirmation and letter of appreciation/thank you (as required)
8. Remuneration approval form (if any)

Collaboration details (if any):

Event Supported / sponsored by:

Event Category: Academic / Co-curricular / Extra-curricular:

Signatures

Events Co-ordinator

HOD

IQAC Co-ordinator

Dr. Chetan Sahasrabudhe

Attachments:

Poster:



HANDS-ON WORKSHOP ON **MATERIAL CUTTING PLAN** By ARCHINEERING SECTION for 4th Year B. Arch. students

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ABOUT THE WORKSHOP

The syllabus of semester VII B. Arch., has Architectural detailing in which students prepare all possible details of any architectural, landscape interior component. With this reference the workshop is conducted in amalgamation of allied activity for environment sensitivity in students to make them responsible professional, environmental sensible and human being. This exercise is for understanding the use material for optimum extent for saving quantity and cost and most important minimizing waste generation in the industry. Once the concept of cutting plan for any material is thoroughly understood, it will help in profession to achieve the target of time, cost and material management.

CONDUCTED BY

This one day workshop was conducted by Prof. Dharati Sote - Wankhade, who is ABTS tutor for 4th year B. Arch and she has a Masters degree in Environmental Architecture. She is also perusing her PHD in "Construction waste management"



WORKSHOP ITINERARY - February 07, 2020

METHOD -

Students were introduced to the modular furniture design. Then they were guided for disassembly for understanding the parts of furniture. Further, they were introduced how to mark all parts on plywood sheet for cutting, assembling and joining.

TASK ASSIGNMENT

- The assignment given to the student was to design a partition cum showcase between living and dining room.
- Then they were asked to create a diagram showing the parts of furniture and how they may be cut from a plywood sheet.
- While marking, the students should consider the joinery details as per the parts get connected to each other to form the structure. Along with this they also have to check for cutting wastage.
- After this marking process, students were able to cut the material sheet and joined the parts of furniture.
- Then, the students did needful for fixing all parts of furniture and assembled it firmly for final furniture product.



LEARNING OUTCOME –

From this exercise / workshop, students were able to understand the design, marking and cutting process of material for optimum use, material management and waste reduction.



CONCLUSION - Amalgamating "Material-cutting" workshop as allied activity for students spread awareness about their duty towards environment sensible and responsible professional by using the material to maximum extent and minimizing waste generation.