

## STUDENTS' ACHIEVEMENTS:

1. Team of Rukhsar Malik, Mr. Ankit Yadav and Mr. Roshan Maripally of 2017-21 Batch, Civil Engineering, SIT, won 2<sup>nd</sup> Prize in the Poster Presentation competition at International Civil Engineering Symposium, AAKAAR 2021, organized by IIT Bombay. They presented B. TECH Project work carried out under the guidance of Prof. Rushikesh Kulkarni!



2. Alumni of Batch 2015-19, Civil Engineering Department, Mr. Piyush Wani has secured admission for M.S. - Construction Engineering and Management at Texas A & M University, USA and has bagged the prestigious "Zachry Department of Civil & Environmental Engineering Excellence Fellowship".



3. Civil Engineering students are motivated to carry out research of high standard. It is evident from the publications arising from B. Tech Project research works. Following are a few recent Students' research papers based on B. Tech Projects published in reputed journals indexed in reputed databases including Web of Science as well as Scopus.

Web of Science

Clarivate Analytics

Search Search Results Tools Searches and alerts Search History Marked List

Look Up Full Text Find PDF Export... Add to Marked List

1 of 1

**Experimental Investigation on Bamboo as Sustainable Reinforcement Alternative for Rural Construction**

By: Apte, SD (Apte, S. D.)<sup>1,2</sup>; Dabir, W (Dabir, W. V.)<sup>1,2</sup>; Dhyan, BK (Dhyan, B. K.)<sup>1,2</sup>; Choudhari, SP (Choudhari, S. P.)<sup>1,2</sup>

INTERNATIONAL JOURNAL OF MODERN AGRICULTURE

Volume: 9 Issue: 3 Pages: 1348-1358

Published: 2020

Document Type: Article

**Abstract**

Bamboo is readily available and low-cost material in rural areas and can be cultivated easily. The use of bamboo lowers the cost of construction of the structures and provides a sustainable alternative to steel especially in rural regions. In the present study, oven-dried and epoxy coated bamboo is used as a reinforcement. The bond strength between bamboo reinforcement and concrete is checked by performing pull out test, on the specimens cast in triplicates for samples of oven-dried bamboo (B), plain epoxy coated bamboo (E), epoxy with sand coated bamboo (ES) and epoxy with binding wires (EB), each for 7 days, 14 days and 28 days of curing. It is found that the bamboo specimen with plain epoxy coating gives the highest bond strength with concrete amongst all the above-tested specimens. As the plain epoxy-coated reinforcement shows the highest bond strength, it is then checked for flexure using STAM PRO for a single storied rural housing. It is found that the structure with bamboo reinforcement is safe in flexure.

**Citation Network**

In Web of Science Core Collection

0

Times Cited

Create Citation Alert

**13**

Cited References

View Related Records

**Use in Web of Science**

Web of Science Usage Count

Home > Libraries > Library Philosophy and Practice - Electronic Journal > 5031 < Previous Article Next Article >

Search

Enter search terms:

in this series Search

Advanced Search

Search Help

Notify me via email or RSS

Links

Library Philosophy and Practice - Electronic Journal Website

Copyright Statement

Instructions for Authors

Advice for Contributors

Browse

Collections

Disciplines

Authors

Author Corner

Author FAQ

Guide to Submitting

Libraries at University of Nebraska-Lincoln

*Library Philosophy and Practice*  
ISSN 1522-0222

Library Philosophy and Practice (e-journal)

Applications of Biomimicry in Construction and Architecture: A Bibliometric Analysis

Download

46 DOWNLOADS

Since March 08, 2021

PLUMX METRICS

INCLUDED IN

Construction Engineering and Management Commons Library and Information Science Commons

Go to Settings

**Mugdha Praveen Kshirsagar Mrs.**, Symbiosis Institute of Technology Symbiosis International University

**Sanjay Kantrao Kulkarni Dr.**, Symbiosis Institute of Technology Symbiosis International University

**Ankush Kumar Meena Mr.**, Symbiosis Institute of Technology Symbiosis International University

**Danby Caetano D'Costa Mr.**, Symbiosis Institute of Technology Symbiosis International University

**Sushant Sumil Bhavsar Mr.**, Symbiosis Institute of Technology Symbiosis International University

**Abstract**

Biomimicry can be considered to be a way of connecting the environment created by man to the natural world. Biomimicry is a science that, as a model, a measure and a

4. Commendable performance at MAPATHON, IIT B, Civil Students in top 3%!

Narendra Modi Prime Minister

Our actions today will shape our planet tomorrow. It's about re-learning, re-thinking re-innovating & re-inventing

Let's Create An Aatmanirbhar Bharat

Participants : All Indian Nationals.

Objective : Create a map using ISRO data & open source GIS tools that can be accessible to everyone.

All Districts of India will be covered.

Registration 7<sup>th</sup> to 18<sup>th</sup> December 2020

Submission 14<sup>th</sup> to 31<sup>st</sup> December 2020

Results 4<sup>th</sup> to 10<sup>th</sup> January 2021

For more details visit us: <https://iitb-iso-aicte-mapathon.fossee.in>

contact us: [mapathon@fossee.in](mailto:mapathon@fossee.in)

to create a map of the road network

to map out places affected by other disasters, such as dengue, malaria, etc.

to locate the largest crop areas by administrative borders

to create a map of local hot beds available for CENTs

to map out places covered by forest

OfficialAICTE @AICTE\_India /MediaAICTE /company/aicteindia



Students of Civil Department did a wonderful presentation of skills at the MAPATHON competition held at IIT Bombay.

Out of total 9500 student participants, we proudly announce that our students were among the top 3% and received appreciation certificates.

**5. Civil Engineering Student, Mr. Aman Khandelwal (Batch 2017-21) shares his experience of interning at IIT Delhi for 6 months**



Gaining work experience during your undergraduate is the most valuable experience one can get as it boost your personality and gives you a new perspective for the practical situations that you are going to face after graduation. Education pays off, and continuous mentorship at Civil Department at SIT helps the student to explore their domain without fear.

I have completed my six months internship program at the Indian Institute of Technology Delhi and now I have been working with IIT Delhi on my final year thesis on the topic “Urban Flood Modelling” under UKRI GCRF Water Security Hub-London. When I see myself as a professional, I have evolved a lot in the past year. This journey taught me that when we believe in ourselves and when our goal is to succeed with hard work, maybe results can be a bit late, but it will not disappoint us. IIT Delhi treated me like one of them being in a core team, joining the stakeholders meet, handling the GIS lab, having the meetings with core management, or being part of Virtual Hub Assembly, I never felt that I joined there as an Intern and my inputs were never gone in vain. There has been some tough time due to COVID-19 as it was difficult to conduct work in the premises, but with a great team, it becomes easy to face the trouble. Over this experience, I learned a lot that how to go from an idea

to a vision and how learning is endless, but we must find the right path to go. My Internship at IIT Delhi, helped me to choose my right research interest in which I want to pursue my masters and work in the time coming ahead.

I thank Symbiosis Institute of Technology for allowing us to have the exposure in the outer real world for an entire semester because this duration is a lot to carve us for industry exposure and real-life problems.

- 6. Team of Civil Engineering Students of Batch 2017-21 are all set to present their paper at IIT Bombay organized "International Civil Engineering Symposium 2021" as their paper based on B. Tech project gets accepted for presentation**

