



Workshop on Composite Design and Fabrication

The workshop on Composite Design and Fabrication was organized by Department of Chemistry, BBSR Campus, CUTM on 20th January, 2022.

Sustainable Development Goals Webinar Series

WORKSHOP
ON
Composite Design and Fabrication

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

TARGET 9-5
ENHANCE RESEARCH AND UPGRADE INDUSTRIAL TECHNOLOGIES

SPEAKER
Dr Satya Prakash Pati
Assistant Professor
Department of Electrical and Electronic Engineering
Kyushu University, Fukuoka Japan

20th January 2022
11.30AM

Organized by:
Department of Chemistry
School of Applied Sciences
Centurion University of Technology and Management, Odisha, India

Anita Patra



Dr. Anita Patra, Registrar, CUTM

Atia Arora



Convener



Centurion University of Technology and Management BBSR Campus

Department of Chemistry, School of Applied Sciences

Workshop Organizer: Department of Chemistry, BBSR Campus, CUTM.

Workshop Title: Composite Design and Fabrication

Date:- 20.01.2022

Resource Person: Dr Satya Prakash Pati, Assistant Professor, Department of Electrical and Electronic Engineering, Kyushu University, Fukuoka Japan

Composite manufacturing is no longer an enigma of high-level industrial fabrication. The migration of composite material has inserted itself into consumer products from automobile interiors to cell phone cases to sporting equipment. In this regard, department of chemistry organized a five days workshop on composite fabrication. The flyer along with registration link was shared at CUTM community at various platforms including Slack, Email, Whatsapp etc. There were more than 50 participants who had registered for the said workshop. Total 30 participants have joined during the workshop. Students designed the mould and fabricated the composite part of different shapes. After the workshop participants had given feedback. Most of the feedback is positive (More than 50% have given excellent feedback regarding content of the presentation). The workshop continued for five days. The workshop was concluded by Dr. Dr Satya Prakash Pati's presentation followed by a Q & A session. Atia Arzoo, HoD of chemistry department, BBSR campus inaugurated the workshop. Dr. Pratap Chhotray presented the vote of thanks. Faculties and students from other departments had also joined in the workshop. All the faculties of chemistry department, BBSR campus helped in planning, and execution of this workshop

. Overall, this workshop was successful.



1. Wax was applied uniformly

2. Glass sheet was placed on the ply and then we have applied a mixture of resin, binder and catalysis. Another layer of glass fiber was again placed and the same mixture was again .



CIRCULAR TANK



Applying a layer of PVA coating along with Nile blue pigment



After drying up mansion wax was applied



Glass fiber along with resin mixture



Hood of E- vehicle

Different steps under Hands on training during composite design and fabrication on 20.01.2022

Anita Patra 

Dr. Anita Patra, Registrar, CUTM

Atia Arzoo 

Convener



List of Participants in Workshop on Composite Design and Fabrication

This workshop on Composite Design and Fabrication was organized by Department of Chemistry, BBSR Campus, CUTM on 20TH January, 2022.

Date: 19/01/2022

| Sl. No. | Name | Roll No. | Department |
|---------|--------------|------------|------------|
| 1 | Arpana Patra | 1901010101 | Chemistry |
| 2 | Arpana Patra | 1901010102 | Chemistry |
| 3 | Arpana Patra | 1901010103 | Chemistry |
| 4 | Arpana Patra | 1901010104 | Chemistry |
| 5 | Arpana Patra | 1901010105 | Chemistry |
| 6 | Arpana Patra | 1901010106 | Chemistry |
| 7 | Arpana Patra | 1901010107 | Chemistry |
| 8 | Arpana Patra | 1901010108 | Chemistry |
| 9 | Arpana Patra | 1901010109 | Chemistry |
| 10 | Arpana Patra | 1901010110 | Chemistry |
| 11 | Arpana Patra | 1901010111 | Chemistry |
| 12 | Arpana Patra | 1901010112 | Chemistry |
| 13 | Arpana Patra | 1901010113 | Chemistry |
| 14 | Arpana Patra | 1901010114 | Chemistry |
| 15 | Arpana Patra | 1901010115 | Chemistry |
| 16 | Arpana Patra | 1901010116 | Chemistry |
| 17 | Arpana Patra | 1901010117 | Chemistry |
| 18 | Arpana Patra | 1901010118 | Chemistry |
| 19 | Arpana Patra | 1901010119 | Chemistry |
| 20 | Arpana Patra | 1901010120 | Chemistry |
| 21 | Arpana Patra | 1901010121 | Chemistry |
| 22 | Arpana Patra | 1901010122 | Chemistry |
| 23 | Arpana Patra | 1901010123 | Chemistry |
| 24 | Arpana Patra | 1901010124 | Chemistry |
| 25 | Arpana Patra | 1901010125 | Chemistry |
| 26 | Arpana Patra | 1901010126 | Chemistry |
| 27 | Arpana Patra | 1901010127 | Chemistry |
| 28 | Arpana Patra | 1901010128 | Chemistry |
| 29 | Arpana Patra | 1901010129 | Chemistry |
| 30 | Arpana Patra | 1901010130 | Chemistry |

Anita Patra



Dr. Anita Patra, Registrar, CUTM

Atia Arora



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