



Swami Keshvanand Institute of Technology,
Management & Gramothan, Jaipur



A
Report
on
Five-day Student Workshop
“Mechanical and Durability Testing of Construction Products”
held
on
08th - 13th February 2024

Organized by:

Department of Civil Engineering, SKIT M&G, Jaipur
In collaboration with
NIRMAAN Club & ICI

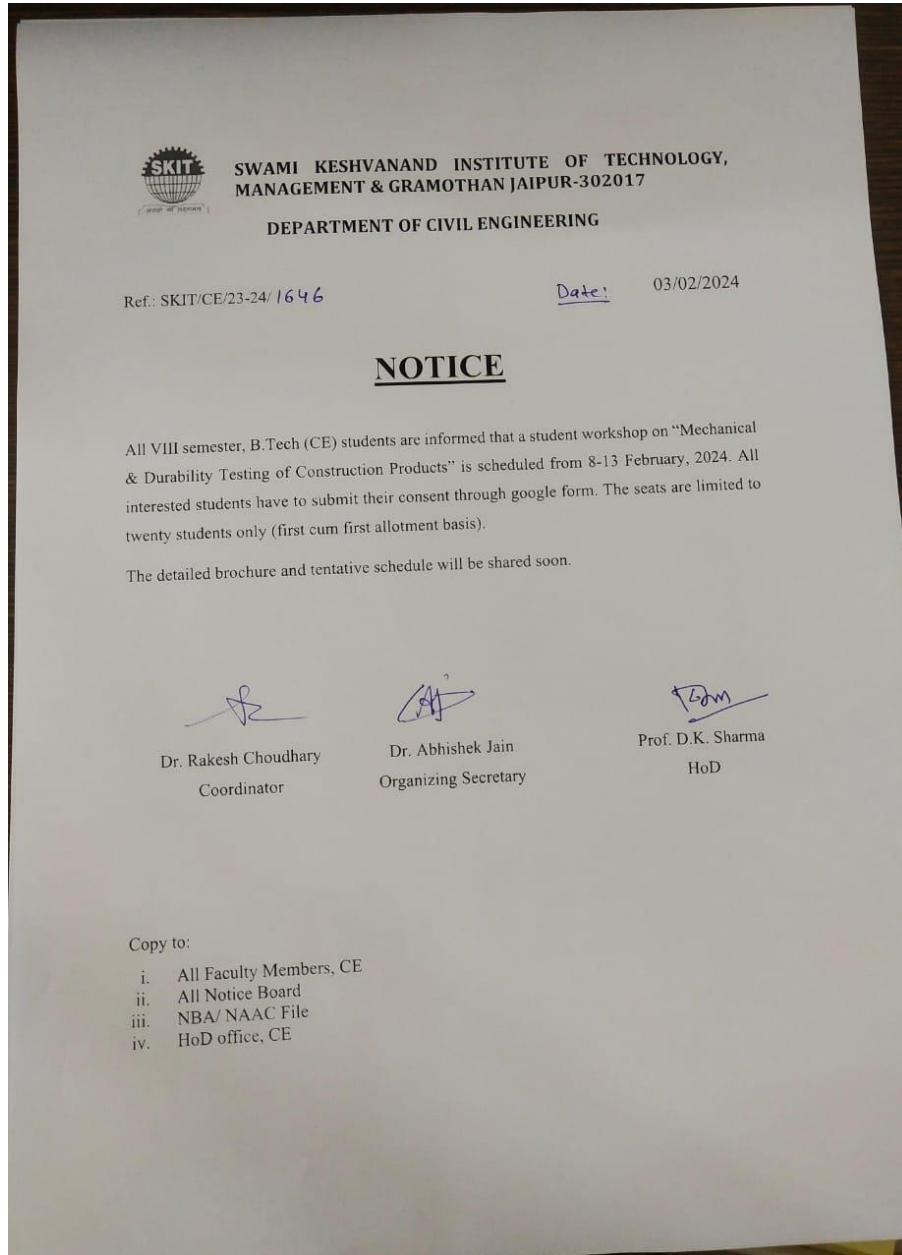
1. Approval Letter

Department of Civil Engineering, SKIT, Jaipur
 Ref: SKIT/CE/2022-23/1300
 Date: 05.06.2023
 Sub: Schedule of proposed activities for Session 2023-24

| S.No | Types of Event* | Title of Event | Mode of Conduction | Proposed Date | Name of Coordinator | Any Collaboration | Budget Required |
|------|---|---|--------------------------------------|-------------------------|---|-------------------|-----------------------|
| 1 | Expert Talks (06 Nos) | Expert Talks by Renowned Academicians/Industry Experts | Offline | Sep. 2023 to May 2024 | Mr Nishant Sachdeva, Dr Abhishek Jain | NA | 25000 |
| 2 | 6 day student workshop for V & VII Sem students (Hands on training) | Structural Analysis and Design on ETABS | Offline | September 2023 | Ankur Mishra & Dr. Sunita Tolani | NA | 6000 |
| 3 | 5 day student workshop (Hands on training for V/VII sem) | Hands-on Primavera P6- Software Project Planning and Scheduling | Offline | September, 2023 | Dr. Pooja Jain | NA | 6000 |
| 4 | 5 day workshop for III sem students (Hands on training) | MS Excel Basic to Advance | Offline | September 2023 | Dr. Pooja Jain | NA | 6000 |
| 5 | Survey camp (III Sem students) | Survey camp at Chandwagi for 3 rd semester students | Field activity as per RTU curriculum | October 2023 | Deepak Sharma and Anirudh Mathur | NA | Two buses for 10 days |
| 6 | 5 day student workshop (Hands on training) | Structural Analysis and Design on Staad Pro Basic to Advance | Offline | October, 2023 | Dr. Pooja Jain | NA | 6000 |
| 7 | 5 day student workshop for V & VII Sem students (Hands on training) | Hands-on QGIS- Software | Offline | October/November 2023 | Ankur Mishra | NA | 6000 |
| 8 | 5 day student workshop for VII Sem students (Hands on training) | Mechanical and durability testing of construction products for 4th year students | Offline | October/ November 2023 | Dr. Abhishek Jain & Dr. Rakesh Choudhary | NA | 6000 |
| 9 | 5 day student workshop for VI sem students (Hands on training) | Mix design and testing of self compacting concrete | Offline | January 2024 | Dr. Abhishek Jain & Dr. Rakesh Choudhary | NA | 6000 |
| 10 | 5 day student workshop (VI Sem.) | Advanced Geotechnical Testing in Laboratory and Field | Offline | February, 2024 | Dr. Pooja Gupta and Dr. Bharthi M. | NA | 6000 |
| 11 | International conference | Research Advancements in Sustainable Construction Materials | Online | March 2024 | Dr. Kishan Lal Jain, Dr. Ankit Sharma, Mr. Nishant Sachdeva | ICI & IGBC | 125000 |
| 12 | 5 day workshop students (Hands on training) | The concept of Vedic Maths | Offline | April 2024 | Dr. Pooja Jain | NA | 6000 |
| 13 | Training programs by CoE | Training programs for external/internal students under COE-Transportation Engineering | Offline | August 2023 to May 2024 | Anirudh Mathur | NA | 25000 |
| | | | | | | Total | 229000 |

Yes, approved
Ninkesh
28/7/23
Yes permitted to register online
28.7.23
Approved
21/8/2023
Pom
HoD-CE 05-06-2023

2. Notice



3. Brochure of the Event

SKIT
SWAMI KESHVANAND INSTITUTE OF
TECHNOLOGY MANAGEMENT &
GRAMOTHAN

ICI
Indian Concrete Institute

NIRMAAN CLUB



Department of Civil Engineering
in collaboration with
ICI & Nirmaan Club
is organizing
Five Day Student Workshop (Feb. 8 - 13, 2024)
on
**Mechanical & Durability Testing of
Construction Products**

FACULTY COORDINATOR
DR. RAKESH CHOUDHARY
ASSISTANT PROFESSOR (CE)

ORGANIZING SECRETARY
DR. ABHISHEK JAIN
ASSISTANT PROFESSOR (CE)

IMPORTANT NOTE :
THE WORKSHOP WILL BE FOLLOWED BY AN EXPERT TALK AND
SITE VISIT
CERTIFICATE FOR ALL THE PARTICIPANTS
ONLY 20 SEATS (FIRST CUM FIRST ALLOTMENT BASIS)
FOR REGISTRATION FILL THE GOOGLE FORM USING THE
FOLLOWING LINK/OR CODE :
[HTTPS://FORMS.GLE/VJ7RYUTSNYFNEOBNA](https://forms.gle/VJ7RYUTSNYFNEOBNA)

4. Schedule of the Event

**SWAMI KESHVANAND INSTITUTE OF
TECHNOLOGY, MANAGEMENT & GRAMOTHAN**

Department of Civil Engineering

In collaboration with

ICI & Nirmaan Club

Is organising

5 – Day Student Workshop on
“Mechanical & Durability Testing of Construction Products”

TENTATIVE SCHEDULE

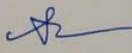
| February 8 th , 2024 (Thursday) | |
|---|--|
| Day - 1 | <ul style="list-style-type: none"> Inaugural Session (Venue:- APJ Abdul Kalam Seminar Hall) Brief Introduction of Workshop Expert Talk By Dr. Kishan Lal Jain on “Introduction to Mechanical Testing Instrumental Demonstration (Concrete Lab) |
| February 9 th , 2024 (Friday) | |
| Day - 2 | <ul style="list-style-type: none"> Introduction to DIN, Sorptivity & Water Absorption, RCPT, Abrasion, Acid Attack by Dr. Abhishek Jain Instrumental Demonstration |
| February 10 th , 2024 (Saturday) | |
| Day - 3 | <ul style="list-style-type: none"> Site Visit |
| February 12 th , 2024 (Monday) | |
| Day - 4 | <ul style="list-style-type: none"> Expert talk by Dr. Sanjay Mundra Demonstration of testing |
| February 13 th , 2024 (Tuesday) | |
| Day - 5 | <ul style="list-style-type: none"> Introduction to Rapid Curing, NDT & Carbonation by Dr. Rakesh Choudhary Instrumental Demonstration Valedictory Ceremony |


5. Attendance sheet

A student workshop on
Mechanical & Durability Testing of Construction Products (MDTCP-2024)

Attendance Sheet

| Sr No | Name | Roll No | 8/02 | 9/02 | 10/02 | 12/02 | 13/02 |
|-------|--------------------|------------|------------|------------|------------|------------|------------|
| 1 | Ankit Rajwania | 20ESKCE300 | Ankit | Ankit | Ankit | Ankit | Ankit |
| 2 | Kamlesh Choudhary | 20ESKCE048 | Kamlesh | Kamlesh | Kamlesh | Kamlesh | Kamlesh |
| 3 | Vinod Dewasi | 20ESKCE126 | Vinod | Vinod | Vinod | Vinod | Vinod |
| 4 | Rohit Lamba | 20ESKCE103 | Rohit | Rohit | Rohit | Rohit | Rohit |
| 5 | Gourav Pooniya | 20ESKCE038 | Gourav | Gourav | Gourav | Gourav | Gourav |
| 6 | Rahul Choudhary | 20ESKCE093 | Rahul | Rahul | Rahul | Rahul | Rahul |
| 7 | Kritika Meena | 20ESKCE056 | Kritika | Kritika | Kritika | Kritika | Kritika |
| 8 | Neha Meena | 20ESKCE080 | Neha | Neha | Neha | ABSENT | ABSENT |
| 9 | Aakanksha Sharma | 20ESKCE001 | Aakanksha | Aakanksha | ABSENT | Aakanksha | Aakanksha |
| 10 | Vishnu Kant Bairwa | 21ESKCE203 | Vishnu | Vishnu | Vishnu | Vishnu | Vishnu |
| 11 | Mitali Saini | 20ESKCE073 | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT |
| 12 | Archana Meena | 20ESKCE018 | Archana | Archana | Archana | ABSENT | ABSENT |
| 13 | Kanishk Sharma | 20ESKCE051 | Kanishk | Kanishk | Kanishk | Kanishk | Kanishk |
| 14 | Ajay Kumar Meena | 20ESKCE007 | Ajay | Ajay | Ajay | Ajay | Ajay |
| 15 | Khem Chand Koli | 20ESKCE053 | Khem | Khem | Khem | Khem | Khem |
| 16 | Pretesh Kakhani | 20ESKCE091 | Pretesh | Pretesh | Pretesh | Pretesh | Pretesh |
| 17 | Moheet Alam | 21ESKCE200 | Moheet | ABSENT | ABSENT | ABSENT | ABSENT |
| 18 | Libin M T | 20ESKCE064 | Libin | Libin | Libin | Libin | Libin |
| 19 | Manisha Kukna | 20ESKCE070 | Manisha | Manisha | Manisha | Manisha | Manisha |
| 20 | Nikita Choudhary | 20ESKCE082 | Nikita | Nikita | Nikita | Nikita | Nikita |
| 21 | Abhishek Choudhary | 20ESKCE004 | Absent | Absent | Absent | Absent | Absent |
| 22 | Hridesh Kumar | 20ESKCE043 | Absent | Absent | Absent | Absent | Absent |
| 23 | Navdeep Jaiswal | 21ESKCE201 | Navdeep | Navdeep | Navdeep | Navdeep | Navdeep |
| 24 | Wanolt Singh | 20ESKCE055 | Wanolt | Wanolt | Wanolt | ABSENT | ABSENT |
| 25 | Vijayshree Meena | 20ESKCE125 | Vijayshree | Vijayshree | Vijayshree | Vijayshree | Vijayshree |


 Dr. Rakesh Choudhary


 Dr. Abhishek Jain

6. Photographs/Screenshots of the Event:



A Report on Five-day Student Workshop 8



Swami Keshvanand Institute of Technology Management & Gramothan
Ramnagar, Jagatpura, Jaipur-302 017, Rajasthan, India

A Report on Five-day Student Workshop 9



Swami Keshvanand Institute of Technology Management & Gramothan
Ramnagar, Jagatpura, Jaipur-302 017, Rajasthan, India

7. Technical Report

A 5-day student workshop on “**Mechanical & Durability Testing of Construction Products (MDTCP- 2024)**” dated 8th – 13th February 2024 organized by Department of Civil Engineering, SKIT M&G, Jaipur in collaboration with NIRMAAN club & ICI. In the inaugural session, Dr. Rakesh Chaudhary welcomed participants and explained the importance of recent construction techniques for assessing the quality of infrastructure. Dr. Abhishek Jain briefed the participants about the workshop and gave an overview of the schedule of the workshop

On Day 1, Dr. Kishan Lal Jain gave an introduction on mechanical testing of construction products. After the session, the instrumental demonstration was also given to students.

On Day 2, Dr. Abhishek Jain discussed the DIN, Sorptivity & Water Absorption, RCPT, Abrasion, and Acid Attack techniques and their acceptance criteria as per the codal provision. After the session, the instrumental demonstration was also given to students.

On Day 3, The site visit of underpass construction at B2 Bypass has been arranged.

On Day 4, The expert talk has been given by Dr. Sanjay Mundra, General Manager, National Council for Cement and Building Materials, Ballabgarh, Haryana, India on “Case study for condition assessment of existing structure using Infrared technology through UAV/Drone”. He discussed the importance of drone technique for quality assessment of various infrastructure.

On Day 5, Dr. Rakesh Choudhary discussed the Rapid Curing, NDT & Carbonation techniques and their acceptance criteria as per the codal provision.

The valedictory ceremony was held on Tuesday, February 13th 2024. Workshop was mainly organized for the final year civil engineering students. The importance of recent construction techniques for assessing the quality of infrastructure were discussed. Dr. Rakesh Choudhary and Dr. Abhishek Jain coordinated the Programme. Prof. D. K. Sharma (Head – Civil Engineering) delivered a vote of thanks and appreciated the theme of the workshop. Prof. B. L. Sharma congratulated all the coordinators and faculty members for the grand success of the workshop.

The workshop was of great benefit to the participants as they are enlightened about the recent techniques used in construction industry. It will help them to meet the industry demand and improve their employability skills.

8. Objective and Outcome of the event

Objectives

- To create awareness among students about recent construction technologies.
- To provide hands on experience on various mechanical and durability testing equipment used in civil engineering industry.

Outcomes

The participants of the workshop will be able to understand the various techniques to produce sustainable construction products. This workshop will bring a positive transformation in the student's attitude in their project and research works and get them more focused on the sustainable development of construction products. Students will be aware about the needs of industry after graduation.

---Thank You-----