



Swami Keshvanand Institute of Technology,
Management & Gramothan, Jaipur



A
Report
on
Five-day Student Workshop
“Design and Development of Self-Compacting Concrete”
held
on
31st October - 4th November 2023

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



SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY,
MANAGEMENT & GRAMOTHAN JAIPUR-302017

DEPARTMENT OF CIVIL ENGINEERING

Ref.: SKIT/CE/23-24/ 1578

27/10/2023

NOTICE

The student workshop for third year Civil Engineering students on “Design & Development of self-compacting concrete” is scheduled from October 31, 2023 to November 4, 2023.

Handwritten signature of Dr. Rakesh Choudhary.

Dr. Rakesh Choudhary
Event Coordinator

Handwritten signature of Dr. Abhishek Jain.

Dr. Abhishek Jain
Event Coordinator

Handwritten signature of Prof. D.K. Sharma.

Prof. D.K. Sharma
HoD


Copy to:

- i. Director (Academics)
- ii. Principal
- iii. Dean
- iv. All Faculty Members of CE
- v. All Notice Board
- vi. NBA/NAAC File


3. Brochure of the Event

	Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur	
Department of Civil Engineering		
<i>In collaboration with</i>		
<i>Nirmaan Club & ICI</i>		
<i>Organizing</i>		
Five Day Student Workshop (Oct. 31- Nov. 4, 2023)		
<i>On</i>		
Design & Development of Self-Compacting Concrete		
About SCC:	<p>Self-Compacting concrete (SCC) is a noteworthy product that was developed, three decades back, in Japan by Prof. Hajjime Okamura, when Japan was suffering from durability issues. A new invention was essential to eliminate the skilled labor requirement and durability issues in the decade of the 1980s. After a lot of trials and laboratory experiments, a new altered form of conventional concrete was discovered and termed as “Self-compacting concrete”. It has special fresh properties like flowability, filling ability, passing ability and segregation resistance.</p>	
<i>Faculty Coordinators</i>		
Dr. Abhishek Jain Assistant Professor (CE)	Dr. Rakesh Choudhary Assistant Professor (CE)	
For registration fill the google form using the following link/ QR code https://forms.gle/vzypdvObg1DHhdo79		
Important Note: Certificate of participation will be provided to all participating students. <u>Only 25 seats</u> (First cum first allotment basis)		
For any other information contact to Student Coordinators Mr. Meet Khandelwal (7375080955) Ms. Nupur Singh (9024247450)		

4. Schedule of the Event



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



Department of Civil Engineering
In collaboration with

Nirmaan Club & ICI
Organising

5 – Day Student Workshop on

“Design and Development of Self-compacting concrete”

TENTATIVE SCHEDULE

October 31 st , 2023 (Tuesday)	
1:00 PM to 1:15 PM	Inaugural Session
1:15 PM to 02:30 PM	<i>“Introduction of SCC”</i>
November 1 st , 2023 (Wednesday)	
1:00 PM to 02:30 PM	<i>“Fresh Properties of SCC and acceptance criteria”</i>
November 2 nd , 2023 (Thursday)	
1:00 PM to 02:30 PM	<i>“Raw material testing & SCC Mix design philosophy”</i>
November 3 rd , 2023 (Friday)	
1:00 PM to 02:30 PM	<i>“Trial Mixes and evaluation of fresh properties”</i>
November 4 th , 2023 (Saturday)	
1:00 PM to 02:00 PM	<i>“Final SCC mix, fresh properties and casting”</i>
02:00 PM to 02:30 PM	Valedictory Ceremony

Important Note: Only 25 seats (First cum first allotment basis)

Regards,
Dr. Rakesh Choudhary & Dr. Abhishek Jain
Event Coordinators

5. Attendance sheet

Attendance sheet for student workshop on DDSCC-2023							
Sr. no.	Name of Student	Roll no.	Signature				
			31-10-2023	01-11-2023	02-11-2023	03-11-2023	04-11-2023
1	Nikhil garg	21ESKCE059			<i>Nikhil</i>	<i>Nikhil</i>	<i>Nikhil</i>
2	Pawan kumar Dhakar	21ESKCE063			<i>Pawan</i>	<i>Pawan</i>	<i>Pawan</i>
3	Puneet Dadhich	21ESKCE070	<i>Puneet</i>				
4	Karan Moond	21ESKCE042	<i>Karan</i>	<i>Karan</i>	<i>Karan</i>	<i>Karan</i>	<i>Karan</i>
5	Aditya Poonia	21ESKCE003	<i>Aditya</i>	<i>Aditya</i>	<i>Aditya</i>	<i>Aditya</i>	<i>Aditya</i>
6	Mahendra chhaba	21ESKCE047	<i>Mahendra</i>	<i>Mahendra</i>	<i>Mahendra</i>	<i>Mahendra</i>	<i>Mahendra</i>
7	Himesh kumawat	21ESKCE031	<i>Himesh</i>	<i>Himesh</i>	<i>Himesh</i>	<i>Himesh</i>	<i>Himesh</i>
8	Dinesh Sharma	21ESKCE019	←	←	←	←	←
9	Meet Khandelwal	21ESKCE051	<i>Meet</i>	<i>Meet</i>	<i>Meet</i>	<i>Meet</i>	<i>Meet</i>
10	Saarthak chopra	21ESKCE084	←	←	←	←	←
11	Uday Singh Sisodia	21ESKCE097	←	←	←	←	←
12	Sandeep	21ESKCE088	<i>Sandeep</i>	<i>Sandeep</i>	<i>Sandeep</i>	<i>Sandeep</i>	<i>Sandeep</i>
13	Jaivardhan Singh	21ESKCE033	<i>Jai</i>	<i>Jai</i>	<i>Jai</i>	<i>Jai</i>	<i>Jai</i>
14	Priyanshu Prajapat	21ESKCE069	←	←	←	←	←
15	Vijay	21ESKCE100	<i>Vijay</i>	<i>Vijay</i>	<i>Vijay</i>	<i>Vijay</i>	<i>Vijay</i>
16	Falguni pareta	21ESKCE022	<i>Falguni</i>	<i>Falguni</i>	<i>Falguni</i>	<i>Falguni</i>	<i>Falguni</i>
17	Sachin meena	21ESKCE085	←	←	←	←	←
18	Sajid Khan	21ESKCE086	<i>Sajid</i>	<i>Sajid</i>	<i>Sajid</i>	<i>Sajid</i>	<i>Sajid</i>
19	Shreyansh nagarwal	21ESKCE092	←	←	←	←	←
20	Kanishka Khorwal	21ESKCE041	←	←	←	←	←
21	Mansi Aasari	21ESKCE050	←	←	←	←	←
22	Deepak Mina	21ESKCE015	<i>Deepak</i>	<i>Deepak</i>	<i>Deepak</i>	<i>Deepak</i>	<i>Deepak</i>
23	Surdeep singh		<i>Surdeep</i>	<i>Surdeep</i>	<i>Surdeep</i>	<i>Surdeep</i>	<i>Surdeep</i>
24	NUPUR SINGH	21ESKCE001	<i>Nupur</i>	<i>Nupur</i>	<i>Nupur</i>	<i>Nupur</i>	<i>Nupur</i>
25	Mansu Sharma	21ESKCE048	<i>Mansu</i>	<i>Mansu</i>	<i>Mansu</i>	<i>Mansu</i>	<i>Mansu</i>

[Signature]
 Dr. Rakesh Choudhary
 Co-ordinator DDSCC 2023

[Signature]
 Dr. Abhishek Jain
 Co-ordinator DDSCC 2023

6. Photographs/Screenshots of the Event:



A Report on Five-day Student Workshop 8



7. Media Coverage



The Department of Civil Engineering, SKIT organised a 5-day student workshop on the Design and

Development of Self-compacting concrete (DDSCC- 2023) from October 31 to November 4 in collaboration with the NIRMAAN club & ICI. The captivating valedictory ceremony for the same was held on Saturday, where all students and faculty members gathered around. Dr Rakesh Choudhary and Dr Abhishek Jain coordinated the Programme while Prof D. K. Sharma, Head of Civil Engineering delivered a vote of thanks and appreciated the theme of the workshop.

8. Technical Report

A 5-day student workshop on “**Design and Development of Self-compacting concrete (DDSCC- 2022)**” dated October 31st – 04 November 2023 organized by Department of Civil Engineering, SKIT M&G, Jaipur in collaboration with NIRMAAN club. In the inaugural session, Dr. Rakesh Chaudhary welcomed participants and explained the importance of self-compacting concrete (SCC) and recent developments in construction industry. Dr. Abhishek Jain briefed the participants about the workshop and gave an overview of the schedule of the workshop

On Day 1, Dr. Rakesh Choudhary gave an introduction of the SCC. He discussed the salient characteristics of SCC.

On Day 2, Dr. Abhishek Jain discussed the fresh characteristics of SCC and acceptance criteria as per the codal provision. After the session, the raw material testing was conducted by students.

On Day 3, Dr. Rakesh Choudhary discussed the SCC mix design philosophy.

On Day 4, Trial Mixes and evaluation of fresh properties were conducted.

On Day 5, Final SCC mix and testing of fresh properties were conducted

The valedictory ceremony was held on Wednesday, November 4th 2023. Workshop was mainly organized for the civil engineering students. The importance of self-compacting concrete (SCC), mix design formulation and testing of SCC, and sustainable materials for the construction practices were discussed. Dr. Rakesh Choudhary and Dr. Abhishek Jain coordinated the Programme. Prof. D. K. Sharma (Head – Civil Engineering) delivered a vote of thanks to all the participants 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 development in construction industry. It will help them to meet the industry demand and improve their employability skills.

9. Objective and Outcome of the event

Objectives

- To create awareness among students about recent construction technologies.
- To provide hands on experience on design and development of SCC 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-----