



Swami Keshvanand Institute of Technology,
Management & Gramothan, Jaipur



A
Report
on
Five-day Student Workshop
“Design and Development of Self-Compacting Concrete”
held
on
9th - 14th December 2022

Organized by:

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

1. Approval Letter

Department of Civil Engineering, SKIT, Jaipur

Ref: SKIT/CE/2021-22/1076

Date: 30.06.2022

Sub: Schedule of proposed activities for Session 2022-23

S.No	Types of Event*	Title of Event	Mode of Conduction	Proposed Date	Name of Coordinator	Any Collaboration	Budget Required
1	5 day Student Workshop (hands on training)	Analysis and Design of RC Buildings and Foundations using Software (for final year students)	Offline	6-10 September 2022	Dr. Sunita Tolani and Dr. Bharathi M.	NA	Nil
2	5 day Student Workshop (hands on training)	Development of Special Concrete (Self-Compacting Concrete/Geopolymer) for 3 rd year students	Offline	7-11 November, 2022	Dr. Rakesh Choudhary and Dr Abhishek Jain	NA	5000
3	FDP	Modern Construction Techniques & Digitilization in Civil Engineering	Online	12-16 Dec, 2022	Dr KL Jain, Nishant Sachdeva	NA	25000
4	Student Workshop by CoE-TE (for all RTU affiliated college students)	Workshop on Highway Material Testing	Offline	05-09 Dec, 2022	Anirudh Mathur & Nikhil Kumar Sharma	NA	10000
5	Expert Talks (06 Nos)	Expert Talks by Renowned Academicians/Industry Experts	Offline	Sep. 2022 to May 2023	Mr Nishant Sachdeva, Dr Abhishek Jain	NA	25000
6	Student Workshop (Hands on training)	Primavera P6 training	Offline	April 2023	Mr Ankur Mishra	NA	10000
7	Survey camp	Survey camp for 3 rd semester students	Field activity	07-18 November 2022	Mr Ankur Mishra & Mr Deepak Sharma	NA	Two buses for 10 days
8	Student Workshop (Hands on training)	Effective learning through Laboratory Investigations in Geotechnical Engineering	Offline	21-25 Feb, 2023	Dr Pooja Gupta & Dr Bharathi M.	NA	5000

I Approve
 28.9.22

yes permitted and forwarded to
 Registrar/ Director for financial approval.
 28.9.22

Approved
 16/10/2022
 Prof. D.K. Sharma
 Head-Deptt. of CE

2. Notice



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

DEPARTMENT OF CIVIL ENGINEERING

Ref.: SKIT/CE/22-23/1185

02/12/2022

NOTICE

The student workshop for Civil Engineering students on “**Design & Development of Self-Compacting Concrete**” is scheduled from December 09, 2022 to December 14, 2022.

Handwritten signature of Dr. Rakesh Choudhary.

Dr. Rakesh Choudhary
Event Co-ordinator

Handwritten signature of Dr. Abhishek Jain.

Dr. Abhishek Jain
Event Co-ordinator

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

In collaboration with

Nirmaan Club

Organizing

Five Day Student Workshop (December 9-14, 2022)

On

Design & Development of Self-Compacting Concrete

About SCC:

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.



Faculty Coordinators

Dr. Rakesh Choudhary
Assistant Professor (CE)

Dr. Abhishek Jain
Assistant Professor (CE)

For registration fill the google form using the following link/ QR code
<https://forms.gle/PkCa7FeXTRGCEOfh9>

Important Note:

Certificate of participation will be provided to all participating students.

Only 30 seats (First cum first allotment basis)

For any other information contact to Student Coordinators

Ms. Nupur Singh (B210390@skit.ac.in)

Mr. Kanak Sharma (jangidkanak104@gmail.com)



4. Schedule of the Event

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



Swami Keshvanand Institute of Technology,
Management & Gramothan, Jaipur



Department of Civil Engineering
In collaboration with

Nirmaan Club

Organising

5 – Day Student Workshop on

“Design and Development of Self-compacting concrete”

TENTATIVE SCHEDULE

December 9 th , 2022 (Friday)	
12:30 PM to 12:45 PM	Inaugural Session
12:45 PM to 02:30 PM	“Introduction of SCC”
December 10 th , 2022 (Saturday)	
12:30 PM to 01:30 PM	“Fresh Properties of SCC and acceptance criteria”
01:30 PM to 02:30 PM	“Raw material testing”
December 12 th , 2022 (Monday)	
12:30 PM to 01:30 PM	“SCC Mix design philosophy”
01:30 PM to 02:30 PM	“Hands on practice of SCC mix design using excel”
December 13 th , 2022 (Tuesday)	
12:30 PM to 02:30 PM	“Trial Mixes and evaluation of fresh properties”
December 14 th , 2022 (Wednesday)	
12:30 PM to 02:15 PM	“Final SCC mix, fresh properties and casting”
02:15 PM to 02:30 PM	Valedictory Ceremony

For registration fill the google form using the following link/ QR code
<https://forms.gle/PkCa7FeXTRGCEOfh9>



Important Note:

Certificate of participation will be provided to all participating students.

Only 30 seats (First cum first allotment basis)

5. Attendance sheet

Attendance of student workshop on Design & Development of SCC							
Sr. No.	Name of Student	RTU Roll no.	09-12-2022	10-12-2022	12-12-2022	13-12-2022	14-12-2022
1	Shiv Singh Naruka	19ESKCE108	Shiv	Shiv	Shiv	Shiv	Shiv
2	Abhishek Bansal	20ESKCE003	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
3	Abhishek Choudhary	20ESKCE004	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
4	Ajay kumar meena	20ESKCE007	Ajay	Ajay	Ajay	Ajay	Ajay
5	Ankit Yadav	20ESKCE016	Ankit	Ankit	Ankit	Ankit	Ankit
6	Arvind Yadav	20ESKCE021	Arvind Yadav	Arvind Yadav	Arvind Yadav	Arvind Yadav	Arvind Yadav
7	Deepak Meena	20ESKCE028	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
8	Dilkhush meena	20ESKCE034	Dilkhush	Dilkhush	Dilkhush	Dilkhush	Dilkhush
9	Gaurav Sharma	20ESKCE037	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav
10	Gourav Pooniya	20ESKCE038	Gourav	Gourav	Gourav	Gourav	Gourav
11	Hemant Kumar Mina	20ESKCE041	Hemant	Hemant	Hemant	Hemant	Hemant
12	Kamlesh Choudhary	20ESKCE048	Kamlesh	Kamlesh	Kamlesh	Kamlesh	Kamlesh
13	Kanishk Sharma	20ESKCE051	Kanishk	Kanishk	Kanishk	Kanishk	Kanishk
14	Kartik Choudhary	20ESKCE052	Kartik	Kartik	Kartik	Kartik	Kartik
15	Khem chand koli	20ESKCE053	Khem	Khem	Khem	Khem	Khem
16	Komal Kanwar Korawat	20ESKCE055	Komal	Komal	Komal	Komal	Komal
17	Kritika meena	20ESKCE056	Kritika	Kritika	Kritika	Kritika	Kritika
18	Libin MT	20ESKCE064	Libin	Libin	Libin	Libin	Libin
19	Maahi Kaur Disanj	20ESKCE065	Maahi	Maahi	Maahi	Maahi	Maahi
20	Manish sattavan	20ESKCE069	Manish	Manish	Manish	Manish	Manish
21	Manjeet bijarniya	20ESKCE071	Manjeet	Manjeet	Manjeet	Manjeet	Manjeet
22	Manjeet Suman	20ESKCE072	Manjeet	Manjeet	Manjeet	Manjeet	Manjeet
23	Mohit Chaudhary	20ESKCE074	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
24	Pretesh Kakhani	20ESKCE091	Pretesh	Pretesh	Pretesh	Pretesh	Pretesh
25	Rahul Choudhary	20ESKCE093	Rahul	Rahul	Rahul	Rahul	Rahul
26	Rohit Lamba	20ESKCE103	Rohit	Rohit	Rohit	Rohit	Rohit
27	Sakshi Agarwal	20ESKCE108	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
28	Soham Sharma	20ESKCE112	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
29	udit soni	20ESKCE121	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
30	Varun Kumar Meena	20ESKCE123	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
31	Vivek Choudhary	20ESKCE131	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
32	Rahul saini	20ESKCE207	Rahul	Rahul	Rahul	Rahul	Rahul
33	Rakesh kumar Meena	20ESKCE208	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh
34	Kanak Sharma	20ESKCE049	Kanak	Kanak	Kanak	Kanak	Kanak
35	Mansi meel	20ESKCE066	Mansi	Mansi	Mansi	Mansi	Mansi
36	Archana Meena	20ESKCE018	Archana	Archana	Archana	Archana	Archana
37	Anil Godara	20ESKCE012	Anil	Anil	Anil	Anil	Anil
38	Vijay Kumar Bijay	20ESKCE124	Vijay	Vijay	Vijay	Vijay	Vijay
39	Priyank Dabhi	21ESKCE070	Priyank	Priyank	Priyank	Priyank	Priyank
40	Shreyansh Chitija	20ESKCE110	Shreyansh	Shreyansh	Shreyansh	Shreyansh	Shreyansh

6. Photographs/Screenshots of the Event:

A Report on Five-day Student Workshop 7



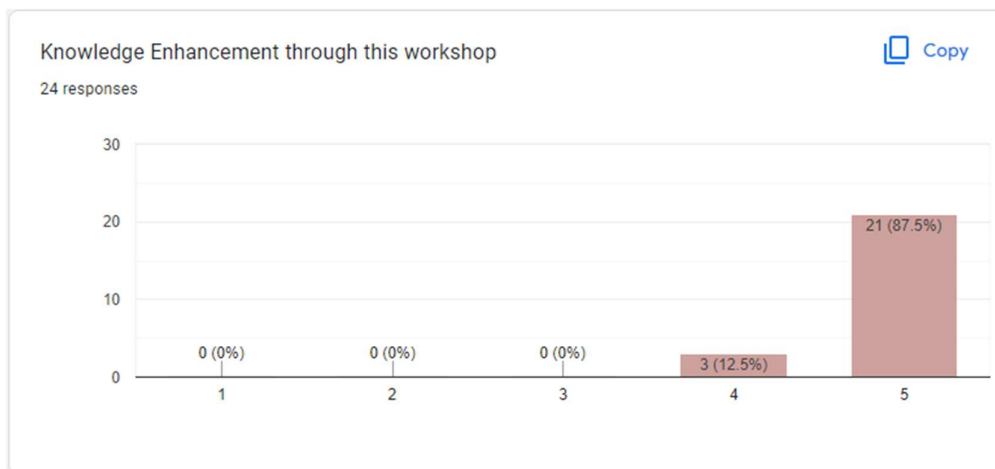
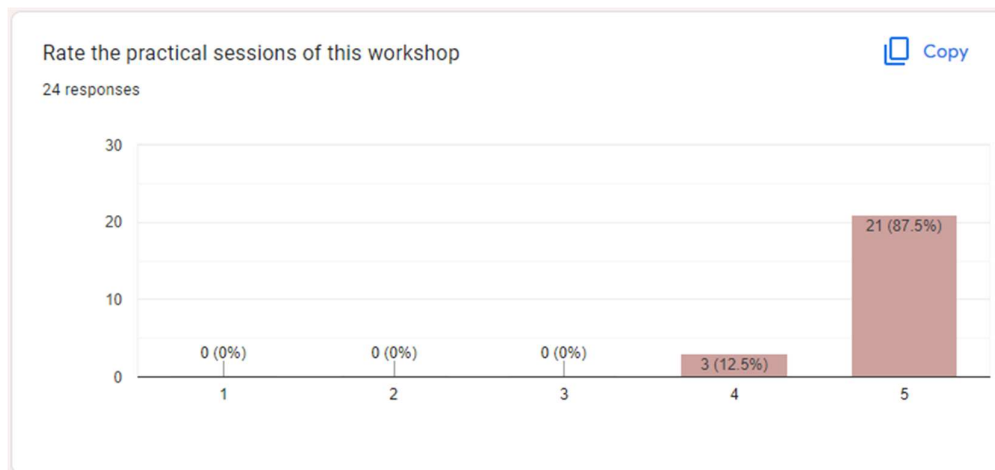
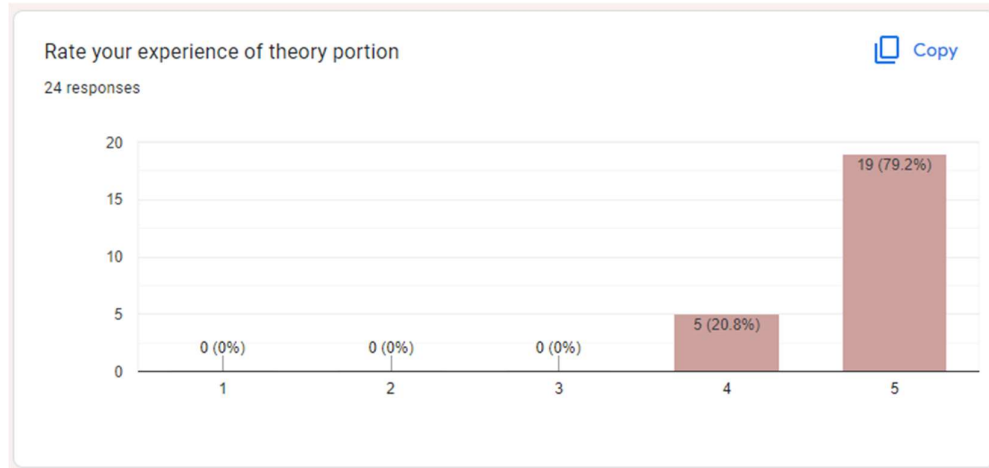
A Report on Five-day Student Workshop 8



7. Sample copy of certificate

5 – Day Student Workshop on			
	“Design and Development of Self-compacting concrete (DDSCC-22)”		
Organised by Department of Civil Engineering - Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur			
In collaboration with Nirmaan Club			
Certificate			
Ref No.: SKIT/CE/DDSCC-22/01			
This is to certify that Mr./Ms. <u>Shiv Shing Naruka (19ESKCE108)</u> of Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur has participated in 5 - Day Student Workshop on “Design and Development of Self-Compacting Concrete (DDSCC-22)” held from <u>09/12/2022</u> to <u>14/12/2022</u> at Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur.			
 Dr. D. K. Sharma HOD - CE (SKIT, Jaipur)	 Dr. Abhishek Jain Coordinator (SKIT, Jaipur)	 Dr. Rakesh Choudhary Coordinator (SKIT, Jaipur)	 Dr. Ramesh Kumar Pachar Principal (SKIT, Jaipur)

8. Feedback Report



9. Media Coverage

पांच दिवसीय छात्र कार्यशाला संपन्न



P3 Police Public Politics
जयपुर। सिविल इंजीनियरिंग विभाग एवं निर्माण क्लब, एस के आई टी एम एंड जी, जयपुर की ओर से 'डिजाइन एंड डेवलपमेंट ऑफ सेल्फ-कॉम्पैक्टिंग कंक्रीट (डीडीएससीसी- 2022)' पर 5-दिवसीय छात्र कार्यशाला का समापन

बुधवार को हुआ। कार्यशाला मुख्य रूप से सिविल इंजीनियरिंग के छात्रों के लिए आयोजित की गई थी। सेल्फ-कॉम्पैक्टिंग कंक्रीट (एससीसी) के महत्व, एससीसी के मिश्रण डिजाइन और निर्माण प्रथाओं के लिए टिकाऊ सामग्री पर चर्चा की गई। कार्यक्रम का संचालन डॉ. रमेश चौधरी

एवं डॉ. अभिषेक जैन ने किया। प्रो डी के शर्मा (सिविल इंजीनियरिंग प्रमुख) ने सभी प्रतिभागियों को धन्यवाद दिया और कार्यशाला के विषय की सराहना की। प्रो. बी.एल. शर्मा ने कार्यशाला की शानदार सफलता के लिए सभी समन्वयकों और संकाय सदस्यों को बधाई दी।

जयपुर/आसपास

खबरों की दुनिया

एक नजर

पांच दिवसीय छात्र कार्यशाला संपन्न



खबरों की दुनिया

जयपुर। सिविल इंजीनियरिंग विभाग एवं निर्माण क्लब, एस के आई टी एम एंड जी, जयपुर की ओर से 'डिजाइन एंड डेवलपमेंट ऑफ सेल्फ-कॉम्पैक्टिंग कंक्रीट (डीडीएससीसी- 2022)' पर 5-दिवसीय छात्र कार्यशाला का समापन बुधवार को हुआ। कार्यशाला मुख्य रूप से सिविल इंजीनियरिंग के छात्रों के लिए आयोजित की गई थी। सेल्फ-

कॉम्पैक्टिंग कंक्रीट (एससीसी) के महत्व, एससीसी के मिश्रण डिजाइन और निर्माण प्रथाओं के लिए टिकाऊ सामग्री पर चर्चा की गई। कार्यक्रम का संचालन डॉ. रमेश चौधरी एवं डॉ. अभिषेक जैन ने किया। प्रो डी के शर्मा (सिविल इंजीनियरिंग प्रमुख) ने सभी प्रतिभागियों को धन्यवाद दिया और कार्यशाला के विषय की सराहना की। प्रो. बी.एल. शर्मा ने कार्यशाला की शानदार सफलता के लिए सभी समन्वयकों और संकाय सदस्यों को बधाई दी।

10. Technical Report

A 5-day student workshop on “**Design and Development of Self-compacting concrete (DDSCC- 2022)**” dated December, 9-14th 2022 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, December 14th 2022. 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.

11. 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-----