

Record No.: ACA/D/021

Revision: 00

DoI: 02/01/2023



Event Report

- Name of Workshop: National Level Civil Engineering 3 days Hands on Training'GROW TOGETHER'workshop
- Topic: 3 days Civil Engineering Hands On Training Workshop.
- Organizers: Anantrao Pawar College Of Engineering And Research Pune, Associatio with Joint Services Innovations & Indigenization Centre Pune(JSIIC) Ministry Of Defence, Startup Research Of Operational Technology (SROT), Indian Concrete Institute(ICI)Pune Centre, Technical Support by J Kumar Infraprojects Ltd. Pune, B.G. Shirke Construction Technology Pvt., Indian Concrete Institute, Pune Maharashtra State Board of Technical Education (MSBTE).
- Date of Event: 03/04/2024 to 05/04/24
- Time of event: 9.00A.M. -6.00P.M.
- Participants: Diploma and Degree Civil Engineering students,11th&12th Civil Vocational subject Students ,Architecture Students Faculty members,RMC plant Technicians

Name of Event Coordinator: Asst.Prof.Neha S.Deshmukh

Target Audience with count: Participants from Pune region,
 Mumbai, Satara, Sangli, Kolhapur, Nashik, Solapur, Pandhrpur, Amaravti, Nagpur, Akola, Kokan, Pen,
 Chatrapati Sambhaji Nagar, Daund etc. all over the Maharashtra came for the workshop.

Sr.	No.of	3 Days Total Duration Of workshop	No. of Participants (Students & Faculty)
No.	Days	Daily: 9 hrs.	gards beginning and the extensi
1.	3	27 Hours	158

- Main Objective of the Workshop: To fill the gap between academic and Industrial needs Bridging
 industry-academia gap plays a very important role in this whole scenario where students,
 universities, organizations and government need to energize and work together to make it happen.
- About Workshop: Civil engineering is being transformed from theory-heavy to practice-oriented program, which needs a constructive laboratory infrastructure, onsite application knowledge helping students carry out various Civil industry work. Practical knowledge is essential for Civil Engineers to become successful in their careers. It provides them with hands-on experience, helps improve





Record No.: ACA/D/021

Revision: 00

DoI: 02/01/2023



Event Report

their problem-solving skills,Better Understanding of Material Properties, Improved Technical Skills and enhances their understanding of industry regulations,among other benefits. It is necessary that the civil engineer is able to step up to the task and manage a diverse team of professionals. Civil engineers also need to evaluate the work of others and ensure their work follow applicable laws,regulations,and standards Practical training for engineering students helps them improve the technical skills, but it also helps them to improve their communication skills and soft skills.Furthermore, these workshop assist students in learning how to collaborate with others,assisting them in improving their leadership abilities.

Outline of the workshop: In 3 days of offline workshop daily 3 civil engineering activities were planned. The training were given by industrial person who are specialized experts with enormous experience in their filed. Firstly trainer were gave the demonstration with all the requirements on actual site and then participants were asked to performed the activity under the guidance of the trainer. Participants experienced and navigate real work challenges, gained conceptual insight as well as practical expertise. The doubts of all participants were answered by Experts. Also , exhibition of all Startups products Civil Industry machinery, New Construction Equipments, Related Products, Admixtures, materials. So students were get to know emerging technologies , motivate for innovation and start-ups products

Brief Description of workshop:

National Level 4 Days Offline Civil Engineering Hands on Training Workshop "GROW TOGETHER" oragnized by Anantrao Pawar College Of Engineering And Research Pune in Association with Joint Services Innovations & Indigenization Centre Pune (JSIIC) Ministry Of Defence, Startup Research Of Operational Technology (SROT), Indian Concrete Institute(ICI) Pune Centre, Technical Support by J Kumar Infraprojects Ltd.Pune, Organizes by Maharashtra State Board of Technical Education (MSBTE) for Diploma and Degree Civil Engineering students, 11th&12th Civil Vocational subject Students ,faculty members, RMC plant Technicians on 3rd April to 5th April2024 at Anantrao Pawar College Of Engineering And Research Pune. Academia gap is emerging because there is something lacking which is also addressed in 'National



Record No.: ACA/D/021

Revision: 00

DoI: 02/01/2023



Event Report

Educational Policy 2020 :Industry and Institute Linkage. Let's Colleges an Industry should GROW TOGETHER, as per today's need for our Nation. Practical knowledge is crucial in the field of Civil Engineering This workshop is beneficial for all civil engineers as Live the CIVIL ENGINEER'S LIFE. We are trying to bridge the gap between institutional education and project-site skill requirements. An instructors with industry experience can motivate students, enable them to relate what was learned in the class with the real world and allow them to start developing their own engineering judgment, which is essential for the successful practice of civil engineering.

• List of Sponsorship Received for "APCOER GROW TOGETHER 2024 & APCOER TECHNOTHON 2024":

Name of the Sponsors	Funded Amount
Mr. Balasaheb Ingawale	1,00,000
B.G. Shirke Construction Technology, Pune	3,00,000
Shri. R. B. Suryawanshi	1,00,000
Mr. Shubham S Shende,	11,000
Mr. Uday Jadhav, UL group	20,000
Total In Words: Five lacks thirty one thousands RS.Only/-	5,31,000/-





Record No.: ACA/D/021

Revision: 00

DoI: 02/01/2023



Event Report

Name of Honorable Guests:

- Hon.Mrs. Pramila Gaikwad, General Secretary-A.B.M.S.Parishad, Parvati, Pune
- Hon. Shri. Vijaysinh Jedhe, Treasurer-A.B.M.S. Parishad, Parvati, Pune
- Hon. Shri. Dhairyashil Vandekar, CDC Member, APCOER, Pune
- Hon. Shri. R. B. Suryawanshi, Sr. Chief Executive, B.G. Shirke Construction Technology
- Hon. Mr. Shashikant Killedar Patil, General Manager, B.G. Shirke Construction Technology, Pune
- Hon. Er. Yusuf Inamdar, Director of Joint Services Innovations & Indigenization Centre Pune
 (JSIIC) Ministry Of Defence, Startup Research of Operational Technology (SROT).
- Dr. Vijay Wadhai, Innovation Club member, APCOER, Pune

The Inaugural function of National Level Civil Engineering 3 days Hands on Training workshop 'GROW TOGETHER' was held on date 03/04/2024 in presence of our Chief Guests.

The Prof.Neha Deshmukh welcomes all the guests and dignitaries. The session was started with digital floral welcome & auspicious Lamp Lighting. After this, Dr. Abhay B. Shelar, Coordinator of TECHNOTHON-2024, APCOER, introduced the theme of TECHNOTHON-2024 to all the participants and Prof.Neha Deshmukh APCOER GROW TOGETHER Coordinator gives brief introduction about GROW TOGETHER event& welcomed all. After this felicitation of Chief Guests was done. After the felicitation, Dr. Sunil B. Thakare, Principal APCOER addressed the session in order to encourage participants for competition. Hon. Shri. Dhairyashil Vandekar addressed the session by motivating and wished all the best to students. Hon. Er. Yusuf Inamdar sir talked about the development of the nation by the use of modern technology as an engineer in the future and guided us to think out of the box. Hon. Mr. Shashikant Killedar Patil, Sir explained the importance of innovation and new technology in brief. Hon. Mrs. Pramila Gaikwad, addressed the participants and all the audience. The arrangement for participant's presentation, evaluation, and communication was handled by the departmental technothon coordinators along with their departmental faculty members. Hon. Mrs. Pramilatai Gaikwad, Hon Adv. Sandeep Kadam, Hon. Adv. Bhagwanrao Salunkhe and Hon. Shir. Vijaysinh Y. Jedhe gave their warm regards for the event.





Record No.: ACA/D/021

Revision: 00

DoI: 02/01/2023



Event Report

Sandeep Kadam, Hon. Adv. Bhagwanrao Salunkhe and Hon. Shir. Vijaysinh Y. Jedhe gave their warm regards for the event.

Photographs of Inauguration Ceremony:





Ribbon cutting of Grow Together Workshop by all Honorable Guests& dignitaries



Tribute to Shiv Chatrapati Shivaji Maharaj by all Honorable Guests & dignitaries





Record No.: ACA/D/021

Revision: 00

DoI: 02/01/2023



Event Report





Felicitation of chief Guest Hon. Shri. R. B. Suryawanshi, Sr. Chief Executive, B.G. Shirke **Construction Technology**

❖ DAY 1: 03.04.24

The Sustainable Concrete Competition, held on first day, was a dynamic and educational event designed to foster innovation and practical skills in the field of sustainable construction. This event featured three main themes: Low Carbon Concrete Competition, Green Concrete Competition and Ice-sticks Model Making Competition. Participants from various institutions and backgrounds gathered to showcase their skills and creativity while learning about environmentally friendly concrete technologies and practices.

Theme 1: Low Carbon Concrete Competition

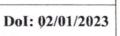
The Low Carbon Concrete Competition focused on promoting the use of low carbon concrete, specifically through hands-on training sessions. Participants were introduced to the concepts of using construction and demolition (C&D) waste in concrete production. The activities included: sollege of E

Page | 6/6



Record No.: ACA/D/021

Revision: 00





Event Report

- Hands-on Training: Detailed instructions and demonstrations on how to utilize C&D waste in concrete mix designs.
- Mix Design Trials: Participants conducted trials to create optimal concrete mixtures with reduced carbon footprints.
- Cube Casting: Practical sessions where participants cast concrete cubes using their mix designs
 to test for strength and durability.

Outcomes:

The competition successfully demonstrated the potential of low carbon concrete in sustainable construction. Participants gained valuable knowledge about the benefits of using recycled materials and reducing carbon emissions. The hands-on experience enhanced their understanding of sustainable practices and their application in real-world scenarios.

> Theme 2: Green Concrete Competition

The Green Concrete Competition emphasized the use of the world's first highly durable green cement, combined with C&D waste, admixtures, and treated water from Sewage Treatment Plants (STP). The activities for this theme included:

- Hands-on Training: In-depth training on mix design techniques using green cement and other sustainable materials.
- Mix Design Trials: Participants experimented with various combinations of materials to achieve optimal green concrete mixtures.
- Cube Casting: Participants cast concrete cubes with their green concrete mixtures to test for strength, durability, and environmental impact.





Record No.: ACA/D/021

Revision: 00

DoI: 02/01/2023



Event Report

Outcomes:

This theme highlighted the advanced technologies and materials available for creating sustainable concrete. Participants learned how to incorporate innovative green cement and other eco-friendly materials into their designs, promoting long-term durability and sustainability in construction. The hands-on approach allowed participants to directly apply their knowledge and see the tangible benefits of green concrete.

Theme 3: Ice-sticks Model Making Competition

The Ice-sticks Model Making Competition provided a creative outlet for participants to showcase their architectural and structural design skills using ice-sticks. This theme included:

- Model Making: Participants designed and constructed models of buildings or structures using ice-sticks.
- Creativity and Innovation: Emphasis was placed on the creativity and innovation of the designs, encouraging participants to think outside the box.
- Structural Integrity: Models were evaluated for their structural integrity and aesthetic appeal.

Outcomes:

The Ice-sticks Model Making Competition encouraged participants to think creatively and apply their design skills in a fun and engaging way. This theme highlighted the importance of innovative thinking in sustainable construction, even in a non-traditional medium. Participants enjoyed the challenge of building structurally sound and visually appealing models, fostering a sense of accomplishment and pride in their work.





Record No.: ACA/D/021

Revision: 00

DoI: 02/01/2023



Event Report

* DAY 2: 04.04.24

Testing Activities

Ice Sticks Bridge Testing

Participants' ice-sticks bridge models were tested for structural integrity and load-bearing capacity. This activity highlighted the importance of engineering principles and creative design in constructing stable structures.

Cube Testing of Low Carbon Concrete

The concrete cubes cast during the Low Carbon Concrete Competition were tested for their compressive strength. This provided practical insights into the performance and durability of low carbon concrete mixtures.

Cube Testing of Green Concrete

Similarly, the cubes from the Green Concrete Competition were tested for compressive strength. This testing activity demonstrated the effectiveness and robustness of green concrete mixtures.

Brief Description of Valedictory function of "APCOER GROW TOGETHER 2024":

> Date of Event: 04/04/2024

> Time of Event: 2 pm

The event concluded with a valedictory function, which included:

- Awards and Recognition: Presentation of awards to the top performers in each competition category.
- Speeches and Reflections: Speeches by organizers and participants reflecting on the learning experiences and outcomes of the event.



Record No.: ACA/D/021

Revision: 00

DoI: 02/01/2023



Event Report

Certificates of Participation: Distribution of certificates to all participants, acknowledging their
efforts and contributio

Valedictory function started after the competition of all departments were over in the mechanical seminar hall. The participants was awarded by prize money & certificate of Appreciation for successfully completing the Grow Together workshop by Hon.Er. Yusuf Inamdar Sir , Director of Joint Services Innovations & Indigenization Centre Pune(JSIIC) Ministry Of Defence , Startup Research Of Operational Technology (SROT) , Dr. Sunil Thakare Sir, Principal APCOER Pune , Dr. Raviraj Sorate Sir, Head Civil Engineering Department . All expressed their feedback , learnings , gained experience from this workshop. All trainers also share their valuable feedback about this workshop. Dr. Vijay Wadhai, Innovation Club member, APCOER, Pune , Prof. Ganesh Kondalkar, IQAC Head, Dr. D. P. Kamble , Head of Mechanical department, Prof. S. S. Salvekar, HOD, AI & DS Department, Dr. R. R. Sorate HOD, Civil Department, Dr. Amar Deshmukh HOD, E&TC Department, Dr. Amit A. Kadam, HOD, IT Department and Prof Anil Lohar, Professor computer department were present for the Valedictory function. After that vote of thanks was given by Asst. Prof. Neha Deshmukh. On this occasion Hon. Pramilatai Gaikwad Madam, General Secretary, ABMS Parishad congratulate all for arranging this workshop

❖ DAY 3: 05.04.24

> Theme 4: Demonstration of Advanced Concrete Technologies

This theme showcased the latest advancements in concrete technology through demonstrations and practical applications. Activities included:

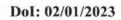
- Technology Demonstrations: Presentations and live demonstrations of cutting-edge concrete technologies.
- Interactive Sessions: Participants engaged in discussions and Q&A sessions with experts in the field.





Record No.: ACA/D/021

Revision: 00





Event Report

Site Visit: B.G. Shirke Plant

Participants visited the B.G. Shirke Plant to observe real-world applications of advanced concrete technologies. The visit included:

- Plant Tour: Guided tour of the plant's facilities, showcasing various stages of concrete production and application.
- Live Demonstrations: Observing live demonstrations of advanced concrete technologies in action.
- Expert Discussions: Interaction with plant engineers and experts to understand practical challenges and solutions in concrete production.

Outcomes

Participants were exposed to the latest innovations in concrete technology, including new materials, methods, and sustainability practices. The demonstrations highlighted the potential of advanced technologies to revolutionize the construction industry. The site visit provided participants with a unique opportunity to see advanced concrete technologies in a real-world setting. They gained insights into the practical implementation of sustainable practices and the operational aspects of a modern concrete production facility.

Concluding remarks of the workshop

The Sustainable Concrete Competition was a resounding success, offering participants a unique blend of practical training, innovative thinking, and creative expression. The event not only educated participants on the latest sustainable construction techniques but also inspired them to pursue further advancements in the field. The knowledge and skills gained from this competition will undoubtedly contribute to a





Record No.: ACA/D/021

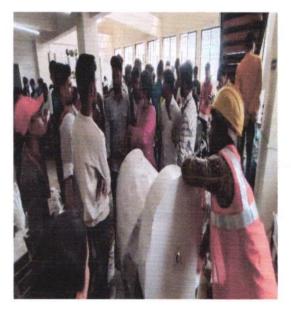
Revision: 00

DoI: 02/01/2023



Event Report

more sustainable and environmentally friendly construction industry in the future.



Demo Training Of Cementitious Material



Gradation Calculation





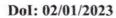
Hands on training on green and low carbon concrete





Record No.: ACA/D/021

Revision: 00





Event Report





Ice Sticks Suspension Bridge model making



Demostration of advanced concrte technolgies.





Record No.: ACA/D/021

Revision: 00

DoI: 02/01/2023



Event Report



Site visit at B.G.Shirke Plant





Photographs of Prize Distribution:



Photographs of Prize Distribution

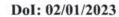
- Number of participants:158
- Prizes Distribution: Total prize money: RS.51,000/-





Record No.: ACA/D/021

Revision: 00





Event Report

Details of prize distribution:

• Winners of LOW CARBON CONCRETE Competition

Rank	An	ount	Institute Name and Address	Name of The Student Group
	10,000	5,000	Government Polytechnic Awasari	Akshay Masalge &Team
I	10,000	5,000	D.Y.Patil Architecture College Lohegaon	Omkar Asabe
		2,500	Ajinkya D.Y.Patil,Lohagaon	Priyanka Boarde & Team
П	5000	2,500	Ajinkya D.Y.Patil,Lohagaon	Shivraj Jagdale & Team
Ш	2500	2500	RIT ,Isalmpur.	Hemant Lohar

• Winners of GREEN CONCRETE Competition

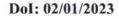
Rank	Amount		Institute Name and Address	Name of The Student	
	10.000	5,000	AISSMS College Of Engineering,Pune	Makarand Mali &Team	
I	10,000	5,000	RIT ,Isalmpur.	Hemant Lohar	
11.1	5000	2500	Government Polytechnic Awasari	Ganesh Gunjakar & Team	
II		2500	Government Polytechnic Achalpur	Sariputra Sadanshiv & Team	
Ш	2500	2500	Anantrao Pawar College of Engineering & Research,Pune	Sagar Kakade& Team	





Record No.: ACA/D/021

Revision: 00





Event Report

Winners of GREEN CONCRETE Competition

Rank	Am	ount	Institute Name and Address	Name of The Student
I	10,000	5,000	AISSMS College Of Engineering,Pune	Tushar Patil & Team
		5,000	Shri Siddheshwar Polytechnic Solapur	Rakshita Gaddam& Team
	5000/-	2,500	RMD Singhgad Warje	Nilima Vitakr
II		2,500	PCCOE Akurdi	Rutaik Kambale
	2500	1,000	R.D.T.C.P.Dhangawadi	Vicky Sharma
Ш		1,000	Anantrao Pawar College of Engineering & Research,Pune	Karishma Hippargekar & Team

Opinions:

Hon.Guests: The Hon.Guests and dignitaries felt privileged to participate and by interaction with all yong aspirants. They appreciated the workshop idea which is necessary in Nation Building. They give their best wishes to all and showed their willingness for such types of future workshops.

Trainers: The such kind of workshop will be very helpful to bridge the gap between academics and industrial need. The trainers felt privileged to interact and work with such enthusiastic participants. They shown their willingness for such kind of future workshop conduction.

Participants: The Workshop was well organized, effective, fruitful, informative, enjoyable successful. Trainers and coordinator encourage engagement in the workshop. Participants was fully satisfied with the outcome and the expecting more such kind of workshops in future. Participants thanked for such





Record No.: ACA/D/021

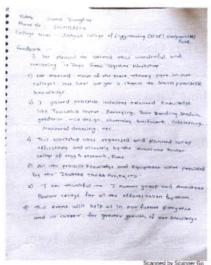
Revision: 00

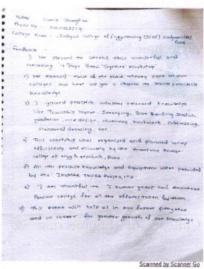
DoI: 02/01/2023

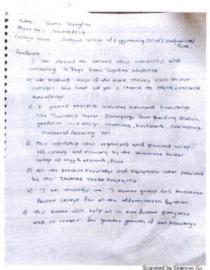


Event Report

valuable and insightful workshop and hope to apply everything gained from the workshop in their career.







In this 3 days Grow together workshop civil engineering hands on practical training were given by expert trainers from industries. All the participants gained hands on practical knowledge. It is through enthusiastic and active participation of all participants workshop was completed successfully. The combination of practical training, innovative testing, and creative competitions fostered a comprehensive understanding of sustainable concrete technologies. The event's success was celebrated in the valedictory function, recognizing the hard work and achievements of all participants. This competition has set a strong foundation for future advancements in sustainable construction, promoting a greener and more environmentally friendly industry.

Date:08/04/24

Prof.N.S.Deshmukh Workshop Coordinator Dr.A.B.Shelar
Technothon Co-ordinator

Dr.R.R.Sorate Head of Department Dr.S.B.Thakare Principal

Civil Engineering Department

Page | 17/6