



**SARVAJANIK UNIVERSITY**  
**Sarvajani College of Engineering and Technology**  
**Department of Civil Engineering**



A Report on

**Two Days Skill Development Workshop**  
**Theory to Practice in Civil Engineering 2.0**

 **Sarvajani Education Society**  
**Sarvajani College of Engineering & Technology**  
(A Constituent Institute of SARVAJANIK UNIVERSITY)  
**Department of Civil Engineering**  
(NBA Accredited for 3 Years from Academic Year : 2023-24)



**Skill Development Workshop on**  
(Under the Banner of Research & Development)  
**Theory to Practice in Civil Engineering 2.0**

**Eminent Speakers**

 **Dr. Atul Desai**  
Professor (HAG),  
Department of Civil Engineering,  
SVNIT, Surat.  
Topic : Recent Advances in  
Infrastructural Projects

 **Er. Nilesh Shah**  
Consulting Civil &  
Structural Engineer  
SHAH ASSOCIATES, Surat.  
Topic : Non-Destructive Testing of  
Concrete

 **Er. Vijay Dhami**  
Director,  
Vijay Dhami & Associates,  
Nanpura, Surat.  
Topic : Repair, Rehabilitation &  
Retrofitting of Structures

 **Mr. Sivakiran N. Singaraju**  
Proprietor,  
Javshiv Construction,  
Nanpura, Surat.  
Topic : Concrete Waterproofing

**Date:**  
9<sup>th</sup> & 10<sup>th</sup> April,  
2026

**Venue:**  
N. J. Seminar Hall,  
1<sup>st</sup> Floor, Admin Wing

  **Scan for  
Registration**

**Dr. Minakshi Vaghani**  
Coordinator  
Assistant Professor, DCE

**Prof. Dharmesh Bhagat**  
Coordinator  
Associate Professor, DCE

**Dr. Jigar Sevalia**  
Coordinator  
Professor, DCE

**Dr. Mehali Mehta**  
Head of Department  
DCE

**Dr. Hiren Patel**  
Principal  
SCET

**No. of Students/faculties Participated : 90**

**Workshop Coordinators :** Dr. Jigar Sevalia, Prof. Dharmesh Bhagat and &  
Dr. Minakshi Vaghani

The skill development workshop was inaugurated with the introductory address by Dr. Mehali Mehta, Head, Department of civil engineering. She then felicitated Dr. Atul Desai sir, our speaker for the first session with eco-friendly token of appreciation. Dr. Jigar Sevalia has provided an overview of two days skill development workshop, outlining its details.

| Date                     | Session | Time                   | Details / Topic                                                                                                                                   |
|--------------------------|---------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 09-04-2026<br>(Thursday) | --      | 9.00 am to 09.30 am    | Registration for the Workshop                                                                                                                     |
|                          | --      | 9.30 am to 10.00 am    | <b>Inauguration</b>                                                                                                                               |
|                          | I       | 10.00 am to 12.00 noon | <b>Dr. Atul Desai,</b><br>Professor (HAG), SVNIT, Surat<br><b>Recent Advances in Infrastructural Projects.</b>                                    |
|                          |         | 12.00 noon to 12.30 pm | Quiz Game-I based on Session I                                                                                                                    |
|                          |         | 12.30 pm to 1.30 pm    | Lunch Break                                                                                                                                       |
|                          | II      | 1.30 pm to 3.00 pm     | <b>Mr. Sivakiran N. Singaraju,</b><br>Proprietor, Jayshiv Construction, Nanpura, Surat.<br><b>Concrete Waterproofing.</b>                         |
|                          | III     | 3.00 pm to 4.0 pm      | Interaction with ICEA and ICE representatives<br>Quiz Game-II based on Session II                                                                 |
| 10-04-2026<br>(Friday)   | IV      | 10.00 am to 12.00 noon | <b>Er. Nilesh Shah,</b><br>Consulting Structural Engineer, SHAH ASSOCIATES, Surat.<br><b>Non-Destructive Testing of Concrete.</b>                 |
|                          |         | 12.00 noon to 12.30 pm | Quiz Game-III based on Session IV                                                                                                                 |
|                          |         | 12.30 pm to 1.30 pm    | Lunch Break                                                                                                                                       |
|                          | V       | 1.30 pm to 3.00 pm     | <b>Er. Vijay Dhami,</b><br>Director, Vijay Dhami & Associates, Nanpura, Surat.<br><b>Repair, Rehabilitation &amp; Retrofitting of Structures.</b> |
|                          | VI      | 3.00 pm to 4.0 pm      | Interaction with ICEA and ICE representatives<br>Quiz Game-IV based on Session V                                                                  |



The **First Session** was started with the introduction of Dr. Atul Desai by Prof. Dharmesh Bhagat. Then Dr. Atul Desai has explained various ongoing worldwide special structures with their salient features. Use of geo cells and geotextiles for strengthening the soil bearing capacity was also covered in the lecture. Wide range of bridges with their foundation and structural systems were nicely narrated. He showed all space structures and tension structures with their specific applications. In the last he explained the role of techno-legal matters in infrastructural projects and guided the students about professional ethics.



Based on technical session – I, online quiz game was arranged. Fastest and the right answer was considered for getting quiz points. Top three winners were declared based on achieving higher quiz points. Students were very much excited for this quiz game and they participated in it with much enthusiasm.



After lunch break, **Session-II** was carried out by Mr. Shivakiran Singaraju on concrete waterproofing. He explained the need of concrete waterproofing, consequence of failure of waterproofing, various waterproofing techniques, latest material and their application along with efficiency. He also discussed various case studies of water proofing carried out in Surat city. He demonstrated the use of hydrophobic cement and its use in concrete waterproofing.



Quiz game was executed after completing technical session of concrete waterproofing. Students actively participated in the quiz. The similar procedure was followed for the top three winners of the quiz.



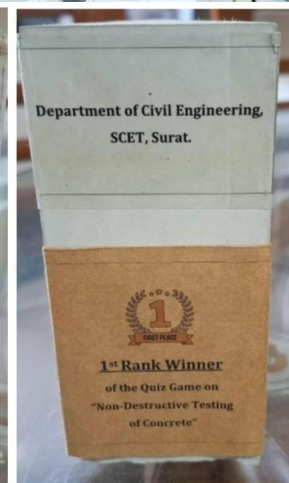
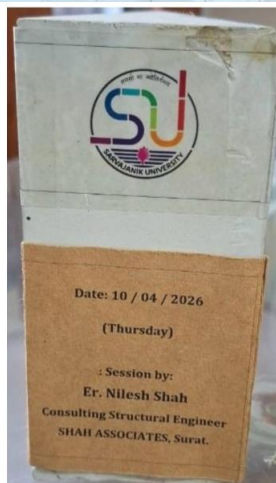
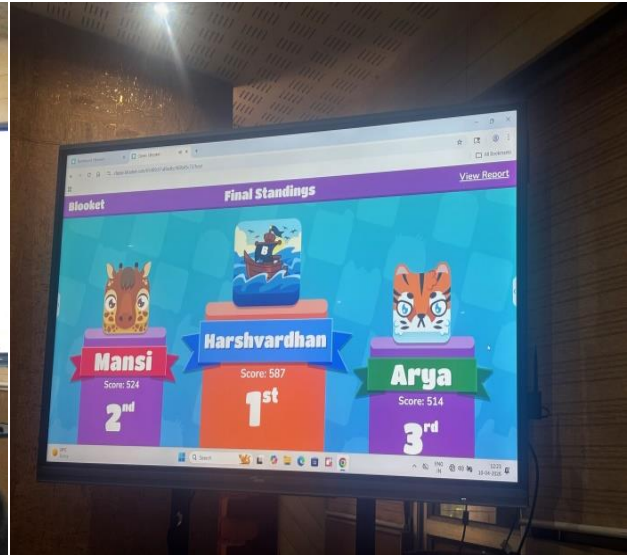
In the last **Session-III** of first day, members of ICE and ICEA were invited for interaction with the students. Er. Zahir Choksi, President, ICE and Er. Prashant Sheth, ICE spared their valuable time and guided students about techno-legal issues and their solutions, professional values and ethics. They also taught the students about filling the gap between theoretical contents learned in the classroom and demand of skill from the professional practices.



The second day of workshop was started with the technical **Session-IV** on non-destructive testing by our eminent speaker Er. Nilesh Shah. He narrated extensive details of non-destructive tests, their significance, their applications, selection of sampling locations, interpretation of results and distress mapping. He also visited a wing of SCET college building with all participants and identified the location of distress.



The technical session was followed by quiz game. Students participated with louder enthusiasm and excitement and finally winners were declared. Eco-friendly memento with certificate was given to topper of the quiz game.



Last technical **Session-V** was carried out after lunch break. A leading retrofitting consultant Er. Vijay Dhama was invited for this session on repairing, retrofitting and rehabilitation of structures. He explained causes of distress in the building, poor construction practices, stress detection methods, advanced repairing materials and the latest retrofitting techniques. He also narrated the case studies of rehabilitation work for the newly constructed as well as ongoing civil projects.



The last Technical Session was followed by quiz game based on repairing, retrofitting and rehabilitation of structures. Students participated with louder enthusiasm and excitement and finally winners were declared. Eco-friendly memento with certificate was given to topper of the quiz game.



## Results of quiz game for all technical sessions

### Leaderboard

| Place ▲ | Student                                                                                          | Accuracy        | Points |
|---------|--------------------------------------------------------------------------------------------------|-----------------|--------|
| 1st     |  Rutvi Patel    | 73%<br>✓ 11 ✗ 4 | 518    |
| 2nd     |  Arya           | 67%<br>✓ 10 ✗ 5 | 471    |
| 3rd     |  Rahul singh    | 60%<br>✓ 9 ✗ 6  | 470    |
| 4th     |  Rushil         | 80%<br>✓ 12 ✗ 3 | 457    |
| 5th     |  Swapnil        | 73%<br>✓ 11 ✗ 4 | 451    |
| 6th     |  Kartik S       | 53%<br>✓ 8 ✗ 7  | 432    |
| 7th     |  Harshvardhan   | 60%<br>✓ 9 ✗ 6  | 420    |
| 8th     |  Nidhi          | 53%<br>✓ 8 ✗ 7  | 399    |
| 9th     |  Dhruv Savani | 57%<br>✓ 8 ✗ 6  | 381    |
| 10th    |  Zai          | 60%<br>✓ 9 ✗ 6  | 376    |

### 1. Quiz Results for Recent Advances in Infrastructural Projects

#### Leaderboard

| Place ▲ | Student                                                                                       | Accuracy       | Points |
|---------|-----------------------------------------------------------------------------------------------|----------------|--------|
| 1st     |  Nidhi     | 70%<br>✓ 7 ✗ 3 | 284    |
| 2nd     |  Gaurang   | 70%<br>✓ 7 ✗ 3 | 272    |
| 3rd     |  Bhumi     | 70%<br>✓ 7 ✗ 3 | 262    |
| 4th     |  parth     | 60%<br>✓ 6 ✗ 4 | 242    |
| 5th     |  Falak     | 60%<br>✓ 6 ✗ 4 | 239    |
| 6th     |  Jaka daku | 70%<br>✓ 7 ✗ 3 | 232    |
| 7th     |  Gaurav    | 60%<br>✓ 6 ✗ 4 | 229    |
| 7th     |  Rushil    | 90%<br>✓ 9 ✗ 1 | 229    |
| 8th     |  Arya      | 60%<br>✓ 6 ✗ 4 | 224    |
| 9th     |  Swapnil   | 90%<br>✓ 9 ✗ 1 | 223    |
| 10th    |  Kartikk   | 60%<br>✓ 6 ✗ 4 | 220    |

### 2. Quiz Results for Concrete waterproofing

## Leaderboard

| Place ▲ | Student                                                                                        | Accuracy        | Points |
|---------|------------------------------------------------------------------------------------------------|-----------------|--------|
| 1st     |  Harshvardhan | 80%<br>✓ 12 ✗ 3 | 587    |
| 2nd     |  Mansi        | 73%<br>✓ 11 ✗ 4 | 524    |
| 3rd     |  Arya         | 73%<br>✓ 11 ✗ 4 | 514    |
| 4th     |  Zai          | 86%<br>✓ 12 ✗ 2 | 451    |
| 5th     |  Jeel         | 87%<br>✓ 13 ✗ 2 | 450    |
| 6th     |  Nidhi        | 60%<br>✓ 9 ✗ 6  | 414    |
| 7th     |  Falak        | 60%<br>✓ 9 ✗ 6  | 409    |
| 8th     |  Bhumi        | 64%<br>✓ 9 ✗ 5  | 405    |
| 9th     |  NDT          | 67%<br>✓ 10 ✗ 5 | 396    |
| 10th    |  Madhvesh     | 73%<br>✓ 11 ✗ 4 | 388    |

### 3. Quiz Results for Non-destructive test

## Leaderboard

| Place ▲ | Student                                                                                         | Accuracy        | Points |
|---------|-------------------------------------------------------------------------------------------------|-----------------|--------|
| 1st     |  Niraj       | 67%<br>✓ 10 ✗ 5 | 387    |
| 2nd     |  Tulsi       | 73%<br>✓ 11 ✗ 4 | 373    |
| 3rd     |  Rutvi Patel | 73%<br>✓ 11 ✗ 4 | 356    |
| 4th     |  Prathammm   | 53%<br>✓ 8 ✗ 7  | 350    |
| 5th     |  Tanay Patel | 47%<br>✓ 7 ✗ 8  | 336    |
| 6th     |  Falak       | 67%<br>✓ 10 ✗ 5 | 329    |
| 7th     |  Shlesha     | 60%<br>✓ 9 ✗ 6  | 318    |
| 8th     |  Rudra       | 67%<br>✓ 10 ✗ 5 | 313    |
| 9th     |  Jeel        | 80%<br>✓ 12 ✗ 3 | 312    |
| 10th    |  Mitali      | 73%<br>✓ 11 ✗ 4 | 309    |

### 4. Quiz Results for Repair, Rehabilitation & Retrofitting of Structures

In the last **Session-VI** of the workshop, members of ICE and ICEA were invited for interaction with the students. Er. Rajnikant Patel (IPP, ICE), ER. Ashish Manjrawala (Vice President), ER. Hitesh Parmar were representatives of ICE and Er. Mrugesh Shah was present on the behalf of ICEA, Surat. They guided students about techno-legal issues and their solutions, professional values and ethics. Roles and responsibilities of structural engineer, an architect, geotechnical expert, site engineer were elaborately discussed. They also taught the students about filling the gap between theoretical contents learned in the classroom and demand of skill from the professional practices.



The two-day Skill Development Workshop – Theory to Practice in Civil Engineering 2.0 proved to be highly informative and fruitful for all participants. The event concluded on a respectful note with the National Anthem.

## Student feedbacks for Skill Development Workshop

|                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>Rahul Singh</b><br/>B. Tech.-III Civil Engineering</p>    | <p>“The workshop ‘Theory to Practice in Civil Engineering 2.0’ was a highly valuable learning experience. It provided clear insight into the practical application of civil engineering concepts in real-world projects. The sessions were well-structured and focused on advanced topics, explained in a simple and effective manner by experienced speakers. Overall, it enhanced my technical understanding and industry-oriented knowledge for future development. I sincerely thank the organizers and speakers for creating such a meaningful and informative experience.</p> |
|  <p><b>Nidhi Patel</b><br/>B. Tech.- III Civil Engineering</p>   | <p>“The seminar was highly interactive and genuinely engaging throughout both days. We got to bridge the gap between the academic and practical world through very interesting sessions delivered by the speakers. They not only delivered lectures but also patiently addressed our doubts and shared valuable tips about the skills required in the field of civil engineering. It was one of those rare experiences that makes you feel both informed and inspired at the same time.</p>                                                                                         |
|  <p><b>Bhumi Doshi</b><br/>B. Tech.- III Civil Engineering</p> | <p>“Being a part of this workshop genuinely felt special to me. Listening to such experienced and passionate speakers made me realize how much more there is to learn beyond textbooks. The way each speaker shared their knowledge, field experiences, and practical insights truly left a lasting impact on me. I felt inspired, motivated, and more connected to my field than ever before. Thank you for creating such a meaningful and memorable experience — I will carry these learning with me as I move forward in my journey.</p>                                         |
|  <p><b>Rutvi Patel</b><br/>B.Tech.- III Civil Engineering</p>  | <p>The workshop provided a great balance between theoretical concepts and real-world applications, which is exactly what we as students need. It helped me understand how classroom knowledge is actually used on construction sites and in live projects. I found the sessions on practical implementation particularly useful, and the real-life case studies made abstract concepts much clearer and easier to relate to. Overall, it was an enriching two-day experience that I would highly recommend to every civil engineering student.</p>                                  |



**Arya Patel**

*B.Tech. – II Civil  
Engineering*

The “*Theory to Practical 2.0*” workshop organized by the Civil Department was a great and enriching experience. It helped us gain practical exposure and understand real-world applications beyond classroom learning. The sessions by Dr. Atul Desai, Mr. Shivakiran, Er. Nilesh Shah, and Er. Vijay Dhami were highly informative and insightful. One of the highlights was Shivakiran sir’s demonstration of hydrophobic cement, which was very interesting. The quizzes and interactive discussions made the sessions engaging and enjoyable. We also got the opportunity to interact with dignitaries from ICEA and ICE, making it a valuable and memorable experience.



**Jeel Sapkal**

*B.Tech. – II Civil  
Engineering*

Attending this workshop was a great opportunity to learn from experienced professionals in civil engineering. The sessions on Non-Destructive Testing and Concrete Waterproofing were practical and relevant to our future careers. The workshop effectively connected theoretical knowledge with real-world applications. The speakers explained concepts in a simple and engaging manner. We also got the opportunity to interact with dignitaries from ICEA and ICE, which added value to the experience. *The quiz at the end made the workshop enjoyable and helped us revise key concepts.)*



**Veer Patel**

*B.Tech. – II Civil  
Engineering*

The “*Theory to Practice in Civil Engineering 2.0*” workshop was an enriching and insightful experience. It helped bridge the gap between theoretical knowledge and real-world engineering practices through expert sessions. The lecture on recent infrastructure advancements was particularly informative and gave exposure to modern developments. The practical examples and case studies made concepts easier to understand. The interactive quiz added a fun and engaging element to the workshop. Overall, it was a well-organized event that enhanced our learning experience.



**Mansi Pandya**

*M.Tech. – II Civil  
Structural  
Engineering*

First of all the workshop is fabulous. The topic Advance infrastructures projects by Dr. Atul Desai sir covers the worldwide major infrastructures been carried out. Shivakiran sir gives the mind blowing live demo of waterproofing material. Nilesh shah sir gave the wide range of noticeability in our surroundings and diagnose them in the different ways. After this Vijay Dhami sir gives all the solutions and live case study on the retrofitting of their projects with different solutions. Apart from this there was a doubt solving sessions for students by real practical sites experienced personalities who are at higher positions at ICEA and ICE Surat. Thank you Sarvajani university and HOD and respected faculty of Civil Engineering Department to arrange such a knowledgeable workshop.



**Rushil Patel**

*M.Tech. – II Civil  
Structural  
Engineering*

The overall structure of the workshop was well-planned and aligned with industry-oriented learning. The insights shared by experienced professionals highlighted the importance of integrating theoretical knowledge with practical execution. As an M. Tech student, I found it useful in understanding real-life constraints, design limitations, and decision-making processes in engineering projects. The workshop contributed significantly to enhancing my analytical thinking and professional outlook towards civil engineering practice.



**Swapnil Chauhan**

*M.Tech. – II Civil  
Structural  
Engineering*

The workshop ‘Theory to Practice in Civil Engineering 2.0’ provided a strong platform to understand how theoretical concepts are implemented in real engineering practice. As an M. Tech student, I found the discussions on practical challenges, design considerations, and execution aspects particularly insightful. The real-world case studies helped in improving my ability to relate analytical results with field conditions. Overall, the sessions enhanced my technical understanding and will be beneficial for both my research work and professional career.



**Keyur Tank**

*M.Tech. – II Civil  
Structural  
Engineering*

This workshop effectively bridged the gap between academic knowledge and industry practices. The sessions were informative and focused on how engineering concepts are adapted in real project scenarios. From a postgraduate perspective, the exposure to practical applications and problem-solving approaches helped in developing a deeper understanding of civil engineering systems. It also provided clarity on industry expectations and the importance of technical judgment beyond theoretical learning.

# સ્કેટ કોલેજના સિવિલ એન્જિનિયરિંગ વિભાગ દ્વારા સ્કેલ ડેવલપમેન્ટ વર્કશોપનું આયોજન

‘થિયરી ટુ પ્રેક્ટિસ ઇન સિવિલ એન્જિનિયરિંગ ૨.૦’ અંતર્ગત તજજ્ઞો દ્વારા વિદ્યાર્થીઓને બાંધકામના વિવિધ વિષયો પર માર્ગદર્શન આપ્યું

ધબકાર પ્રતિનિધિ, સુરત, તા. ૨૩  
સાર્વજનિક કોલેજ ઓફ એન્જિનિયરિંગ એન્ડ ટેકનોલોજી (SCET), સુરતના સિવિલ એન્જિનિયરિંગ વિભાગ દ્વારા ‘થિયરી ટુ પ્રેક્ટિસ ઇન સિવિલ એન્જિનિયરિંગ ૨.૦’ વિષય પર ૨ દિવસીય સ્કેલ ડેવલપમેન્ટ વર્કશોપનું આયોજન કરવામાં આવ્યું હતું.

આ વર્કશોપમાં પ્રતિષ્ઠિત અને અનુભવી વક્તાઓ તરીકે ડૉ. અતુલ દેસાઈ, ઇજનેર નિલેશ શાહ, ઇજનેર વિજય ધામી અને શિવાકીરણ સિંગારાજીએ વિદ્યાર્થીઓના કૌશલ્ય વિકાસ માટે તાજેતરના ઇન્ફ્રાસ્ટ્રક્ચરલ પ્રોજેક્ટ્સ, કોંક્રીટ વોટર પ્રૂફિંગ, કોંક્રીટની નોન-ડિસ્ટ્રિક્ટિવ ટેલિંગ તેમજ સ્ટ્રક્ચર્સના રિપેર, રિહેબિલિટેશન અને રેટ્રોફિટિંગ જેવા વિષયો પર માર્ગદર્શન આપ્યું હતું.

ડૉ. અતુલ દેસાઈએ વિશેષ માળખાં, જીઓ ટેક્સટાઇલ્સનો ઉપયોગ, વિવિધ પ્રકારના બ્રિજ, સ્પેસ સ્ટ્રક્ચર્સ, ટેન્શન સ્ટ્રક્ચર્સ તથા ટેકનો-લીગલ પડકારો અંગે વિવિધ કેસ સ્ટડીઝ દ્વારા વિસ્તૃત સમજ આપી. ઇજનેર



નિલેશ શાહે નોન-ડિસ્ટ્રિક્ટિવ ટેલિંગની જરૂરિયાત, વિવિધ પરિસ્થિતિઓમાં ટેસ્ટિંગના ઉપયોગ, પરિણામોની વ્યાખ્યા, ડિસ્ટ્રેસ મેપિંગ તથા વિદ્યાર્થીઓ સાથે લાઇવ વિઝ્યુઅલ ઇન્સ્પેક્શન દ્વારા વિગતવાર સમજ આપી. ઇજનેર વિજય ધામીએ સ્ટ્રક્ચરમાં થતી ક્ષતિઓના કારણો, નબળી બાંધકામ પદ્ધતિઓના ઉદાહરણો, સ્ટ્રેસ શોધવાની પદ્ધતિઓ, આધુનિક રિપેર મટીરિયલ્સ તથા વિવિધ રેટ્રોફિટિંગ ટેકનિક્સ વિશે માર્ગદર્શન આપ્યું. શિવાકીરણ સિંગારાજીએ પરંપરાગત પદ્ધતિઓની તુલનામાં આધુનિક મટીરિયલ્સ દ્વારા કોંક્રીટ વોટરપ્રૂફિંગની આવશ્યકતા સમજાવી તેમજ લાઇવ ડેમોન્સ્ટ્રેશન દ્વારા વિદ્યાર્થીઓને પ્રાયોગિક જ્ઞાન આપ્યું. તેમણે અંડરગ્રાઉન્ડ વોટર ટેબલથી બેઝમેન્ટ ફ્લોરને સુરક્ષિત

રાખવા માટેની નવીન પાવર ડ્રેઇન ટેકનિક વિશે પણ સમજાવ્યું.

દરેક ટેકનિકલ સેશન બાદ ઓનલાઇન ટેકનિકલ ક્વિઝ યોજાઈ હતી, જેમાં વિદ્યાર્થીઓએ ઉત્સાહપૂર્વક ભાગ લીધો અને પુરસ્કારો જીત્યા હતા. ICEA Surat અને ICA Surat, ISTE-SCET Student chapter જેવા વ્યાવસાયિક સંસ્થાઓના પ્રતિનિધિઓને પણ વિદ્યાર્થીઓ સાથે સંવાદ કરવા માટે આમંત્રિત કરવામાં આવ્યા હતા, જેથી તેઓ વિદ્યાર્થીઓને સમાજમાં સિવિલ એન્જિનિયરિંગ વ્યવસાયની ભૂમિકા અને જવાબદારીઓ વિશે માહિતગાર કરી શકે. આશરે ૮૦ જેટલા વિદ્યાર્થીઓ તથા ફેકલ્ટી સભ્યોને આ વર્કશોપને લાભ મળ્યો અને સફળતાપૂર્વક યોજાયે

Dhabkar, Date 24-04-2026

# સાર્વજનિક કોલેજ દ્વારા ૨ દિવસીય સ્કિલ ડેવલપમેન્ટ વર્કશોપનું આયોજન

**થિયરી ટુ પ્રેક્ટિસ ઇન સિવિલ એન્જિનિયરિંગ ૨.૦**



સુરત, તા.૨૪

સાર્વજનિક કોલેજ ઓફ એન્જિનિયરિંગ એન્ડ ટેકનોલોજી (SCET), સુરતના સિવિલ એન્જિનિયરિંગ વિભાગ દ્વારા “થિયરી ટુ પ્રેક્ટિસ ઇન સિવિલ એન્જિનિયરિંગ ૨.૦” વિષય પર ૨ દિવસીય સ્કિલ ડેવલપમેન્ટ વર્કશોપનું આયોજન કરવામાં આવ્યું હતું. આ વર્કશોપમાં પ્રતિષ્ઠિત અને અનુભવી વક્તાઓ તરીકે ડૉ. અતુલ દેસાઈ, ઇજનેર શ્રી નિલેશ શાહ, ઇજનેર શ્રી વિજય ધામી અને શ્રી શિવાકીરણ સિંગારાજુને આમંત્રિત કરવામાં આવ્યા હતા. તેમણે વિદ્યાર્થીઓના કૌશલ્ય વિકાસ માટે તાજેતરના ઈન્ફાસ્ટ્રક્ચરલ પ્રોજેક્ટ્સ, કોંક્રીટ વોટરપ્રૂફિંગ, કોંક્રીટની નોન-ડિસ્ટ્રિક્ટિવ ટેસ્ટિંગ તેમજ સ્ટ્રક્ચરના રિપેર, રિહેબિલિટેશન અને રેટ્રોક્રિટિંગ જેવા વિષયો પર માર્ગદર્શન આપ્યું હતું. ડૉ. અતુલ દેસાઈએ વિશેષ માળખાં, જીઓટેક્સટાઈલ્સનો ઉપયોગ, વિવિધ પ્રકારના બ્રિજ, સ્પેસ સ્ટ્રક્ચર્સ, ટેન્શન સ્ટ્રક્ચર્સ તથા ટેકનો-લીગલ પડકારો અંગે વિવિધ કેસ સ્ટડીઝ દ્વારા વિસ્તૃત સમજ આપી. ઇજનેર શ્રી નિલેશ શાહે નોન-ડિસ્ટ્રિક્ટિવ ટેસ્ટિંગની જરૂરિયાત, વિવિધ પરિસ્થિતિઓમાં ટેસ્ટિંગના ઉપયોગ, પરિણામોની વ્યાખ્યા, ડિસ્ટ્રેસ મેપિંગ તથા વિદ્યાર્થીઓ સાથે લાઈવ વિઝ્યુઅલ ઈન્સ્પેક્શન દ્વારા વિગતવાર સમજ આપી.

ઇજનેર શ્રી વિજય ધામીએ સ્ટ્રક્ચરમાં થતી ક્ષતિઓના કારણો, નબળી બાંધકામ પદ્ધતિઓના ઉદાહરણો, સ્ટ્રેસ શોધવાની પદ્ધતિઓ, આધુનિક રિપેર મટીરિયલ્સ તથા વિવિધ રેટ્રોક્રિટિંગ ટેકનિક્સ વિશે માર્ગદર્શન આપ્યું. શ્રી શિવાકીરણ સિંગારાજુએ પરંપરાગત પદ્ધતિઓની તુલનામાં આધુનિક મટીરિયલ્સ દ્વારા કોંક્રીટ વોટરપ્રૂફિંગની આવશ્યકતા સમજાવી તેમજ લાઈવ ડેમોન્સ્ટ્રેશન દ્વારા વિદ્યાર્થીઓને પ્રાયોગિક જ્ઞાન આપ્યું. તેમણે અંડરગ્રાઉન્ડ વોટર ટેબલથી બેઝમેન્ટ ફ્લોરને સુરક્ષિત રાખવા માટેની નવીન પાવર ડ્રેઇન ટેકનિક વિશે પણ સમજાવ્યું.

દરેક ટેકનિકલ સેશન બાદ ઓનલાઈન ટેકનિકલ ક્વિઝ યોજાઈ હતી, જેમાં વિદ્યાર્થીઓએ ઉત્સાહપૂર્વક ભાગ લીધો અને પુરસ્કારો જીત્યા. ICEA-Surat y™u ICE-Surat ,ISTE-SCET student Chapter જેવા વ્યાવસાયિક સંસ્થાઓના પ્રતિનિધિઓને પણ વિદ્યાર્થીઓ સાથે સંવાદ કરવા માટે આમંત્રિત કરવામાં આવ્યા હતા, જેથી તેઓ વિદ્યાર્થીઓને સમાજમાં સિવિલ એન્જિનિયરિંગ વ્યવસાયની ભૂમિકા અને જવાબદારીઓ વિશે માહિતગાર કરી શકે. આશરે ૮૦ જેટલા વિદ્યાર્થીઓ તથા ફેકલ્ટી સભ્યોને આ વર્કશોપનો લાભ મળ્યો અને સફળતાપૂર્વક યોજાયો.

પાલ: C. સિંહ ૧-૨, લા. ૨૪-૦૪-૨૦૨૬-૧૯૮૪, સુરત

**પ્રતાપ દર્પણ**

Pratap Darpan, Date 24-04-2026

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Dr. Minakshi Vaghani