

Report for Skyline Association – Department of Civil Engineering
Academic Year 2022-23

Student Leadership Group:

President – Sarat Gireesh

Vice President – Arham Khan

General Secretary – Aamir Ahmed

Treasurer – Vetha Varshini B P

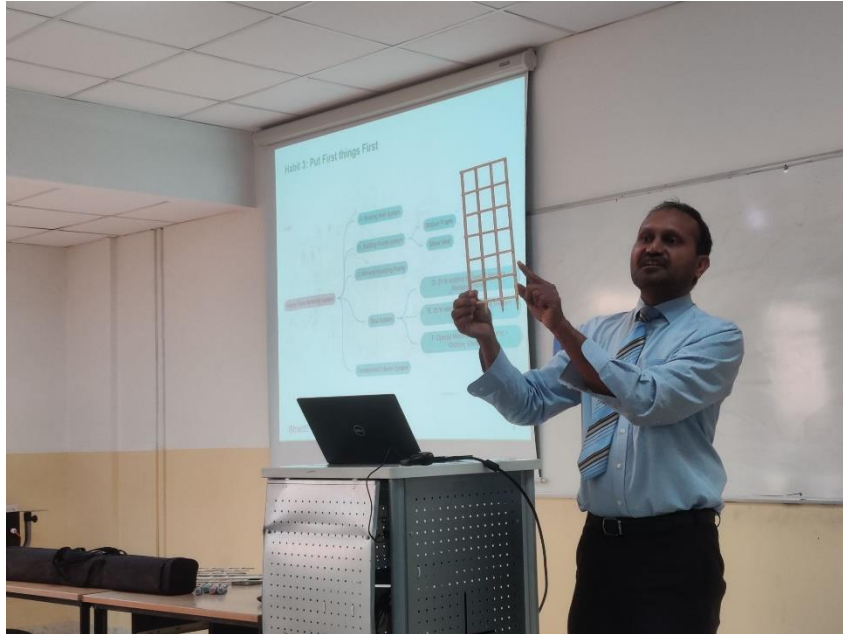
Coordinator – Deeksha Sachan

PR & Marketing – Kamlesh

Faculty In charge – Dr. Akshay Venkateshwaran

List of activities & events conducted by Skyline Association (2022-23)

1. **Guest Lecture** on 'Structural Systems for Tall Buildings' by [Hemant Gor](#), CEng IStructE, Senior Civil & Structural Engineer, KBR Inc., Abu Dhabi, UAE – October 25th, 2022



2. Skyline Association of BITS-Pilani, Dubai Campus, in collaboration with [VSL Middle East](#), organized an educational tour for its undergraduate students to explore the constructional intricacies of a unique Long-Span Prestressed Concrete Railway Bridge (Etihad Rail), on Emirates Road, Dubai. This visit took place on 21st Nov 2022.



The students were also exposed to high-end post-tensioning technologies in [VSL Middle East](#)'s Warehouse at Dubai Investment Park. The educational tour concluded with a special guest lecture by Er. [Karim mohsen](#) of [VSL Middle East](#) at [Birla Institute Of Technology and Science, Pilani Dubai](#) on 22nd Nov, 2022, detailing the fundamental and software-based design methodologies in post-tensioned concrete.



3. Skyline Association of BITS-Pilani, Dubai Campus organized 'Build Your Bridge 2022' on Dec 19th - a one-of-its-kind program in UAE for budding civil engineers from Grades 9 to 12 in schools as an introduction to this diverse field.

Students were not only exposed to the science of building bridges, but were also provided an opportunity to participate in a unique bridge modelling competition. Top two winning teams were awarded a prize and a winner's citation. Additionally, the students were introduced to the basics of computational design of trusses, and the multifaceted scope of civil engineering.



4. As part of its Sustainable Initiatives, Skyline Association of BITS-Pilani, Dubai Campus is pleased to have organized an educational tour to witness the construction of the upcoming grand BAPS Hindu Mandir, Abu Dhabi - a one-of-its-kind green architecture in the UAE on 6th March 2023.

Moving away from conventional design methodologies, all major structural members in the temple were uniquely designed completely devoid of traditional steel, with intricately hand-carved sandstone as its sole load carrying material. Students were also exposed to the importance of the massive stone foundation just 1.5 m below ground level - a nature's gift which miraculously solved several geotechnical engineering challenges for the temple.



5. In a bid to integrate industrial experience as part of coursework, the a technical site visit was conducted to [Unger Steel Middle East](#), Sharjah. Civil engineering students, studying

the 'Design of Steel Structures' course, were exposed to advanced automated technologies of fabricating members for large scale steel structures.



6. Students of the Skyline Association of the Department of Civil Engineering put on an intriguing display of traditional and emerging areas of the field in a fun and effective way at STEM@BITS 2023 - a bi-annual science themed mega event conducted at BITS-Pilani, Dubai Campus on April 15th.



7. Skyline association hosted and conducted 'Truss Challenge 2023' as part of Technofest 2023. This was a unique exposure offered to budding young Civil engineers on Structural Analysis & Design, as part of Technofest 2023 held on May 2nd at BITS-Pilani, Dubai Campus.



8. On May 16th, a special workshop was conducted for able and gifted students as part of the Al Falah initiative of the Outreach Dept. Faculty members Dr. Akshay Venkateshwaran and Dr. Meghana Charde offered a hands-on session on Structural Systems and Sustainability. Lab instructor Ms. Aswathy demonstrated the compression test on concrete to the participants.



9. A civil engineering get-together was organized on May 10th for all the batches. This was clubbed with a farewell for final year students and also included distribution of appreciation certificates and vouchers for active members of Skyline Association who have contributed tremendously to the department's success in the past year.



TREASURY DETAILS FOR 2022-23

Initial amount in treasury: 100 AED (received from batch 2022-26)

Events of Academic Year 2022-23:

- i) FRESHERS' ORIENTATION
 - Sponsored by Students

- ii) BUILD YOUR BRIDGE
 - Balsawood for Bridge Building – AED 148.94
 - Other consumables: 109.50 AED
 - Reimbursed (received)

- iii) STEM EVENT
 - Total amount spent: 369.00 AED
 - Reimbursed (received)

- iv) TECHNOFEST
 - Total amount spent: 35.00 AED
 - Reimbursed (received)

- v) FAREWELL 2023
 - Total amount spent: 424.00 AED
 - 100 AED used from treasury
 - Amazon vouchers for Skyline leadership team (700 AED – Spent by faculty and to be reimbursed)
 - 324 AED - reimbursed (received)

Remaining amount in treasury: 0 AED