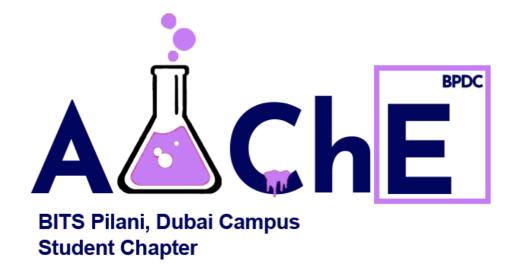
BITS PILANI DUBAI CAMPUS STUDENT CHAPTER



AICHE ANNNUAL REPORT 2023-2024



Prep. by: Dr Souvik k Paul

EVENTS HELD (In Chronological Order)

Workshop on CFD -October 7 & 8, 2023

On the 7th of October 2023, AIChE hosted the Computational Fluid Dynamics (CFD) workshop using the Open Foam Software. The session was conducted by Mr. Adwaith Gupta, CEO of Paanduv Applications. It was open to all undergraduates, post graduate and PhD students. The workshop succeeded in sparking intrigue in the field of fluid dynamics while enhancing the problem-solving skills of the attendees and fostering the vigor for innovation.



BTF AKSI EXPO- October 15, 2023

We are delighted to announce that the Chemical Engineering department of Birla Institute of Technology and Science, Pilani Dubai, has secured the Overall Achievement prize at the BTF AKSI EXPO 2023.

3rd Year Chemical Engineering student Krishna Sunil bagged this achievement for his demonstration of the Chem-E-car concept based on hydrogen fuel.





Workshop on water quality monitoring, surveillance and simulation of waste water treatment systems – October 9, 2023

The Department of Chemical Engineering at Birla Institute of Technology and Science, Pilani Dubai along with AIChE present a unique opportunity to dive into the world of Waste Water Management. The Workshop on water quality monitoring, surveillance and simulation of waste water treatment systems, was held on October 28, 2023.

Students of Grades 10-12 were participated and gained hands-on learning experience of analytical instruments, simulation basics and much more.



EXCEL WORKSHOP- November 23, 2023

Working on excel can be tiresome. We have all been there at some point. And so, the Chemical Engineering Department at Birla Institute Of Technology and Science, Pilani Dubai decided to conduct an Advanced Excel Workshop for all those who wished to 'excel' at 'Excel'.

Our very own professor, Dr. Nishant Pandya led the workshop, providing insight into the fundamentals of excel and data handling. The workshop was attended by students and professors alike, who will receive certificates for their participation.

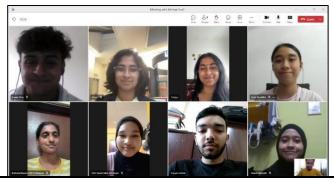


International Exposure- Meeting with AIChE members worldwide, January 17, 2024,

February 2 & 16, 2024

The months of January and February saw AIChE BPDC expand its network through meetups with universities around the globe. The club kick-started its endeavor through a gathering with AIChE-RGPIT from Uttar Pradesh. This was soon followed by participation in the podcast, Chemically Doped, hosted by AIChE-VIT and AIChE UTP from Malaysia for various collaborative works.



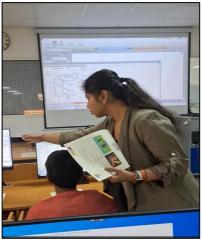




STEAM@BITS '2024' - March 23, 2024

STEAM@BITS '24 proved to be a big success as students from schools all over Dubai with an interest in pursuing a career in the field of engineering were able to come and interact with budding engineers. The Department of Chemical Engineering was proud to showcase to the students the various aspects involved in chemical engineering through a series of experiments that were designed to spark their curiosity and engage their imagination.

A workshop on ASPEN, a software that plays an important role in the designing of various chemical industries, was conducted by members of the AIChE club. Overall, STEAM@BITS '24 proved to be an exceptional platform for young students to interact with budding engineers to truly understand the beauty of chemical engineering.





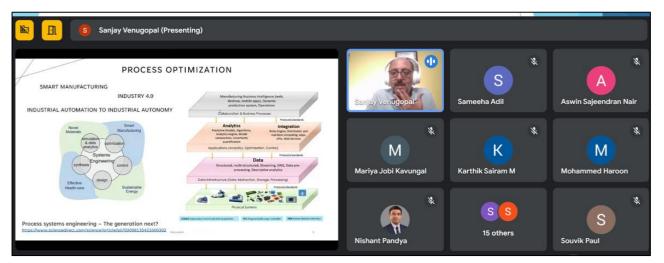




Invited Talk: Digital Twins: a Game-changer for Process Optimization – April 26, 2024

On April 26, 2024, the student chapter of AIChE, of BPDC, organized a guest lecture by Mr. Sanjay Venugopal. Mr. Sanjay is a senior technologist at Yokogawa Technology Solution, Bengaluru and has years of experience as a guest lecturer under his belt. During this lecture he spoke about important aspects of Process Optimization such as understanding control systems, learning optimization techniques and improving dynamic simulation skills.





Invited Talk: "Environmental, Social, and Governance (ESG) and Sustainability as an Engineering Perspective" – May 4, 2024

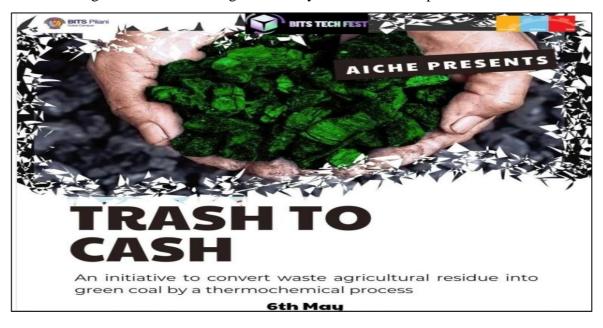
On May 4, 2024, the student chapter of AIChE, of BPDC, organized a guest lecture by Mr. kapil Malhotra on "Environmental, Social, and Governance (ESG) and Sustainability as an Engineering Perspective". Mr. Malhotra is a Global Business leader and presently working in Fluropolymer, Gujrat, India.





BITS TECH FEST – May 6, 2024

AIChE members participated in BITs tech fest on May 6, 2024. An initiative was taken to convert was agricultural residue to green coal by thermochemical process.



Industrial visit to Dubatt Battery Recycling LLC. – May 9. 2024

The partnership between industries and academic institutions is crucial in advancing sustainable practices and environmental stewardship. AIChE members from the department of Chemical Engineering (second year along with a Ph.D. student) visited Dubatt Battery Recycling LLC to experience the practical applications of chemical engineering in an industrial setting.







Aswin Nair (President of AIChE 23-24)

24-5-2024

Souvik Kumar Paul

Dr Souvik Kumar Paul (Faculty in-Charge)

24-05-2024