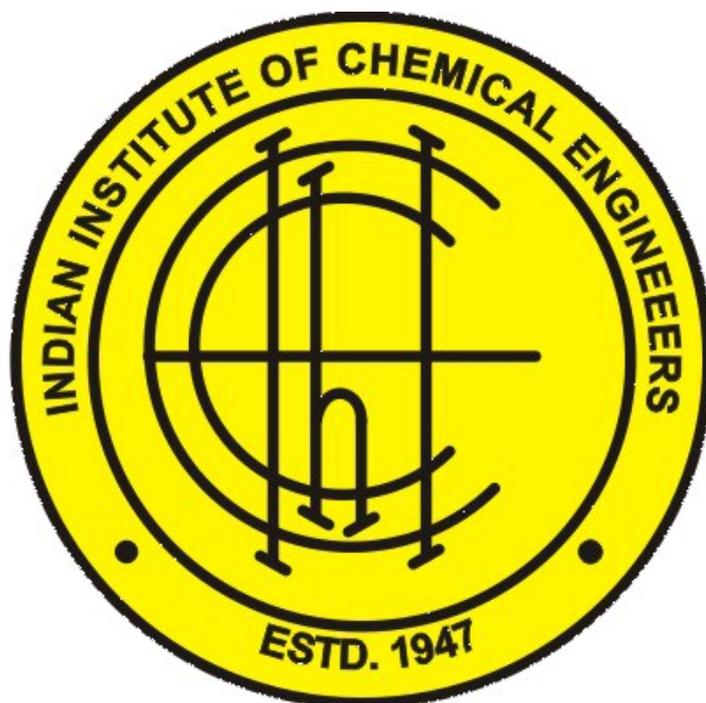


BMS COLLEGE OF ENGINEERING, BENGALURU 560019

INDIAN INSTITUTE OF CHEMICAL ENGINEERING , STUDENT CHAPTER



REPORT OF CONFLUENCE

“TECHNOCHEMILATE”

12th November 2019

"The important thing in chemical engineering is not so much to obtain new facts as to discover new ways of thinking about them" - William Bragg

All great things begin with small steps and one such endeavour of IICHE Student Chapter is **Confluence** .

Confluence 2019 began at 10.30 AM on 12th of November, 2019. The theme was 'TECHNOCHEMILATE' - Technology to mitigate climate change. The day began with the heart-warming welcome speech by Mr Rodney Craig Cutinho, President IICHE , BMSCE Student Chapter. The Chief Guest for the event was Prof. G Bala , Centre of Atmospheric and Oceanic Science, IISC. The other dignitaries that graced the occasion were Dr. Ravishankar Deekshit, Vice Principal BMSCE and Dr.C T Puttaswamy, Head of Department of Chemical Engineering along with the department faculty. Our host for the day was Ramya from the third year of Chemical Department.

The event unfolded with the lighting of the lamp by the dignitaries and then the ceremonial pinning of the badges to the IICHE Core was done by Dr C T Puttaswamy.

The Vice Principal addressed the gathering and encouraged the students to participate in the upcoming events. Dr C T Puttaswamy also addressed the gathering and explained the need of recycle and reuse.





Lighting the lamp



Badges pinning ceremony



Vice principal's speech



Head of Chemical Dept's speech

Dr. C T Puttaswamy introduced the Chief Guest, Prof.G .Bala who gave a technical talk based on the theme - "Technology to mitigate climate change".

Dr. G Bala, a well- known scientist from IISc emphasized on the same in the technical disclosure.

Professor G. Bala has made seminal contributions in understanding the factors that influence climate change over the past 20 years.

His work is based on using earth system models to infer robust responses of global climate, carbon and water cycles.

His scientific contributions in elucidating the “fast and slow response” of the global climate system, geoengineering and biophysical impacts of land cover change on climate are globally recognized. His research has important implications for mitigation strategies such as afforestation and also, climate intervention strategies such as geoengineering.

The talk started with what climate engineering is all about and viable solution of climate change. The talk was centred around solar radiation modification (SRM) and carbon dioxide removal(CDR).Solar radiation modification (SRM) is a theoretical approach for reducing some of the impact of climate change by reflecting a small amount of inbound sunlight back out into space by space sunshades.SRM and CDR can accelerate the removal of CO₂. Threw light on a few viable solutions to cease climate change. He drew attention to the impact made by humans on the climate. The rise of CO₂ from 18ppm to 405 ppm past 100 years, wherein the CO₂ emission from fossil fuels has increased from 70 to 80%.Gave his insight on many topics including reduction of CO₂ by 50% by natural processes like ocean filtration, afforestation and silicate weathering.

'Climate change is going to affect the whole world', he said. Insisting students to use technical advances in the current world to stop the mayhem originated by climate change. Urged everyone to act now, before it is too late to act on the havoc created on this planet.

Amit Nilkar of third year thanked Prof. G Bala for his inspiring talk.



The importance of trees in our life is the same as our family. Trees are important source of oxygen and natural air filters. Trees are natural water conversations and filters. To commemorate this event and also to spread awareness about the importance of trees , an amla tree was planted in front of the P G Block



Refreshments were provided to the students and thereafter, the competitions were conducted.

A quiz competition was organised by the Department of Chemical Engineering of BMS College of Engineering as a part of the IChE confluence 2019 with its theme TECHNOCHEMILATE on 12th November 2019.

The quiz was attended by 30 teams from all the departments of BMS College as well as from other institutions like M.S .Ramaiah College of Engineering, MVJ College Of Engineering.



The quiz master of the event was Mr. Ayush .The quiz had 4 rounds. The first round was that the students had to answer few written prelim of

multiple choice questions given to them. In the second round they had to give a one word answer for the questions displayed on ppt. The third round was a taboo round where the students had to explain their teammate the word given to them on the paper picked and make the other person guess the word. The fourth round was a buzzer round in which the students had to guess the answer based on clues displayed on ppt. The topic of the quiz was mainly climate change and environment. We had 2 winners out of 30 teams who were awarded certificates and mementoes.

All the teams participated enthusiastically showing great interest and was a great learning experience to all of them.

J2M was an elocution event .For this event participants were given a time limit of two minutes to speak on topics pertaining to problems and effects of climate change, where they had to speak impromptu. We had participants from various institutes who spoke on issues related to their topic and they were judged by Professor G.Bala from IISc (CAOS DEPARTMENT) and Dr.Sreelakshmi Diddi on various parameters. The final round comprised of 6 students who were given situations or crisis scenarios and had to share their thought and solutions on the issue. The winner and the runner selected by the judges were awarded IChE momentos for their performance.



After the first session , lunch was provided to all the participants , volunteers and faculty.

In the afternoon session Puzzle Hunt was conducted . It was coordinated by Megan Carmel Aranha, Syed Adnan Hyder, Rohini Keshav, and Shivasharan Reddy of third year chemical engineering. Through campaigning held in the college as well as other colleges, we had over 30 teams that comprised of 60

participants. On the day of the event we had a number of on spot registrations, and had a total of 35 teams participating. There was active participation of students from other colleges as well and their enthusiasm showed us that they enjoyed the event. The event was supposed to commence at 2pm, but due a few delays from the other events it was postponed to 3pm.



This event comprised of cash prizes of Rs 1000 and Rs 500 for first and second place respectively. There were a set of 8 clues describing each location in our college based on a riddle. The team to crack the riddle the fastest climbed a step higher to victory. The clues were such that the participants had run around the entire college to find the next location and had to break a sweat. There was a slight twist in this hunt, as we had only a limited number of clues in each location so the team which reached last was automatically eliminated. Overall the event went on very smoothly, without any hassle and complications. The event was a grand success and at the end of the day we all enjoyed ourselves.

Closing ceremony was graced by the faculty of Department of Chemical Engineering . All the awards were given during the closing ceremony. Also the volunteers and the event coordinators were appreciated by certificates for their work . On the whole CONFLUENCE was a grand success .



Organizing such an event was never an easy task and it would have not been such a success without the support of Principal Dr. B Ravishankar. He has provided all the amenities for the fest and kept encouraging and praising student's hard work. Also a worthy mention is to the IICHe faculty coordinator Prof. Soumen Panda , who kept the students on toes all the way till fest was over. He guided the students towards right path and was always a huge support. The hard work of all the organizers and volunteers was responsible for the success of CONFLUENCE 2019.