

# **A brief report of the International conference on Innovation and Application in Science and Technology (ICIAST-2021)**

## **“DAY-1”**

On 21st December, Department of Applied Sciences of Galgotias College of Engineering and Technology organized the International conference on Innovation and Application in Science and Technology. The purpose of the event was to acquaint the researchers, the interdisciplinary opportunity for the research activities in all domain of science and technology and to provide a platform for exchanging knowledge and innovative ideas. The conference started with the lighting of lamp while the volunteers performed the Saraswati Vandana. The dignitaries on the dais were felicitated with the shawls.

Then in the welcome address, Professor (Dr.) Rajesh Tripathi Conference chair, ICIAST-2021, (HOD) Applied Sciences and 1st year Coordinator discussed the objectives of ICIAST-2021. He also emphasized that ICIAST-2021 will provide a platform for exchanging innovative ideas and various new technologies and will showcase not only the problem but also the solution to the researchers. Further, he explained the expected outcomes of the conference which includes the understanding of the practical applications along with the process involved, learning new ideas and approaches for contributing in the society and spreading awareness about issues and success stories related to innovations. He concluded with a note that Science and Technology is best when it brings people together”. Then Dr. Brijesh singh Director of college and General chair of ICIAST-2021 expressed his views about ICIAST-2021 and wished the team success. Then Dr. Bipin kumar Srivastava, Organising chair of ICIAST-2021 introduced the chief guest. The chief guest of the event was professor H.D. Charan Sir. His career involves 35 years of experience in teaching, research and consultancy. He is the founder vice chancellor of Bikaner technical university, Rajasthan. He is a part of many professional bodies such as IGS (Indian Geotechnical Society), IOE (institute of engineers) etc. He enlightened the audience on the topic “New Education Policy-2020”. He enlightened the audience that how education is fundamental for achieving human potential, developing an equitable society and promoting national development. Then the keynote speaker, Dr. Apostolos Syropoulos who holds B.Sc in physics, M.Sc. and Ph.D. in computer science having research

interest focus on computability theory, category theory, fuzzy set theory and digital typography presented his ideas on Fuzzy set theory.

At the end of the 1<sup>st</sup> session, a vote of thanks was given by Dr. Padam Singh, Organising chair of ICIAS-2021.

In the afternoon session, a plenary lecture was given by Dr.M.Xavier James Raj whose topic was "Safeguarding from Space Debris". His presentation includes topic on space research, space objects, debris, satellite, safe guarding satellite and ISRO NETRA Project. He explained about the huge data that has been obtained for more than half a century through the space activities which requires a detailed analysis using various mathematical methods. He also pointed out the dramatic increase of debris in space and the reasons behind it.

Further a lecture was given by Dr.T.Senthil Kumar from CSIR-Indian institute of petroleum on the topic "stimuli responsive consecutive polymers for drug delivery in India". The last lecture in the session was given by Dr. Vildan Cetkin who graduated from the university of Kocaeli with B.Sc , M.Sc. , Ph.D in mathematics. Her title of the talk was "parameterized gradation of openness".

In the last session, Dr. Rajeev Kumar Mishra, Organizing chair of ICIAS-2021 extended a heartfelt thanks to honourable chairman GCET, Shri Suneel Galgotia, Chief patron of ICIAS-2021 and the honourable CEO, GCET, Shri Dhruv Galgotia, patron of ICIAS-2021, for their motivation, guidance and all the support in organizing the event. He also thanked the committee members and all faculties of the department for and the volunteers for their support.

## **"DAY-2"**

The day was specially planned to commemorate the birth anniversary of Mathematician Srinivasa Ramanujan. The Indian government declared 22 December as the National Mathematics Day to mark the birth anniversary of the Indian mathematician Srinivasa Ramanujan. The purpose of the conference was to illuminate the researchers, the new ideas in the field of mathematics.

The morning session began with moderators Dr. Vinay Gautam enlightening the audience about the life of Srinivasa Ramanujan. Further the volunteers explained about the importance of mathematics in our day-to-day life. They highly encouraged everyone to keep learning mathematics and ended it with a quote of Srinivasa Ramanujan "An Equation means nothing to me unless it express a thought of God".

On the second day, the guest of the conference was Dr. Vikas Singh, the vice chancellor of ITM University, Raipur. He is a TEDx Speaker and the author of best seller book “Paper to Screen -The Future Of Education” and is honoured with many awards. He is also an Old Rotarian and a Paul Harris Fellow.

Dr. Vikas Singh gave a brief introduction on the education, life and childhood of Srinivasa Ramanujan who told that how Ramanujan never got graduated due to his lack of interest in other subjects although he excelled in mathematics. He gave an example of Dr. G.H Hardy who himself was a prominent English mathematician. Further Dr. Vikas Singh quoted, “One should be a teacher by choice not by chance”. He concluded the session by saying that everyone should attend the courses on various online platforms like NPTEL, Coursera etc. as it provides the exposure to the best teachers of the world.

The second day of the conference was blessed with the enlightening views by renowned researchers namely, Dr. Mohammad Shahzad, Dr. Priyanka Sharma, Dr. S. P. Tiwari, Dr. T Bothichandar, Dr. A. E. Kabeel, Dr. Sanchayita Rajkhowa, Dr. Abdulghani Muhyi and Dr. Rupak Kumar.

### **“DAY-3”**

The first session began with plenary lectures by researchers of all over the world.

After the first session, the department organised a Cultural programme where the students of Galgotias College showcased their talent of singing, dancing and playing musical instruments.

Then there was a valedictory session which was honored by the renowned Professor (Dr.) G.N. Tiwari, Founder President of Bag Energy Research Society and Emeritus Professor IIT Delhi. He blessed all the participants and organizers with his encouraging words. He congratulated everyone for the success of the ICIAS-2021.

At the end, Dr. Rajesh Tripathi, Conference Chair thanked all the faculty, staff and the students for the successful organization of the ICIAS-2021. He praised all the volunteers by saying that they became the backbone of the conference and

contributed by giving the solutions to almost all the problems. The session came to an end with the vote of thanks given by Dr. Rajeev Kumar Mishra, Organising Chair of ICIAS-2021.

Special thanks to the student volunteers:

Kartikeya Pratap Singh, Anjali, Eshita Singh, Bhavesh Pratap Mall, Anuj Pratap Singh, Hammad Khan, Anshika Nigam, Sheetal Tyagi, Arpita Singh, Vaishnavi Gupta, Kishan Gupta, Ayushi Johari, Ishita Agrawal, Abhishek Pandey, Ankit, Divyanshu Rathaur ,Varun Shah, Aryan Verma and Aditya Yadav .

Dr. Rajesh Tripathi

Conference Chair

ICIAS-2021