GTU ICON-2022 Multidisciplinary International Conference
(Theme: Emerging Trends in Engineering and Technology)

Under GTU ICON-2022, the program of Emerging Trends in Engineering and Technology was organized on 21st September, 2022.

The program was started with inaugural function. The chief guest Prof. V. Ramgopal Rao (Pillay Chair Professor at IIT-Delhi), the guest of honor Prof. (Dr.) G. P. Vadodaria (Dean, Faculty of Engineering at GTU) were welcomed by Prof. (Dr.) Navin Sheth (Honorable Vice Chancellor, GTU), Dr. K. N. Kher (Registrar, GTU) and Prof. (Dr.) S. D. Panchal (Professor & Director, GTU-GSET).

From Left to Right: Prof. (Dr.) S. D. Panchal, Prof. (Dr.) Navin Sheth, Prof. V. Ramgopal Rao, Prof. (Dr.) G. P. Vadodaria, Dr. K. N. Kher.

During his welcome address Prof. (Dr.) S. D. Panchal first welcomed the chief guest, guest of honor, directors, session chairs, reviewers, authors and delegates. He said that advancement and research in engineering & technology is essential in societal growth. He added that during & after pandemic, it were technologies that helped the human to continue the routine work and that way development of country. He put more focus on fruitful research work that should be carried out by academicians. Dr. K. N. Kher talked about the importance and need of multidisciplinary research work. He added in his occasional speech that there should be a team of researchers having diverse background and it is working to solve real world problems. The guest of honor Prof. (Dr.) Vadodaria in his speech stressed upon the quality research work to be carried out by researchers. He said that the researchers have to find original solutions of the identified problems. He also added that only such original and quality research work is recognized by SCOPUS, Web of Science, IEEE.

The chief guest Prof. V. Ramgopal Rao in his speech said that the engineering and technological research domains are changing very fast. The researchers have to find sustainable solutions using latest technologies. He also added that instead of searching the research problems on web or in literature, one has to go in society and find the problems that required to be addressed. If the research work is done to solve such problems then research papers, patents, start-ups as well as growth of country automatically improves. The Honorable Vice Chancellor Prof. (Dr.) Navin Sheth congratulates all the researchers whose papers were accepted for presentation in this conference. He said that GTU always in front to provide such a platform to showcase the research work done by researchers. He also blessed all the participants for their research journey. Prof. (Dr.) S. K. Hadia (Associate Professor at GTU-GSET) thanked to all for being a part of the inaugural ceremony of the function.

There was plenary session by chief guest Prof. V. Ramgopal Rao after inaugural function. Prof. Rao started the session with statistical information of research publications, patents by different countries. He also shown the position of India and stressed that the quality research work is needed to uplift the position of India at global level. He said that the research work should result in patent first and then it should be published. He put more focus on finding the real world problems by visiting the society instead of finding it in library or on the web. He has shown some of his and his teams' research work, how the idea came about to develop a sensor that sense the smell and eventually how that sensor could be replaced for sniffer dog. Prof. Rao said that the funding agencies are promoting the research work by providing required financial assistance. There should be efforts to convert the research work back into money so that through this way there will be technological as well as economical growth in the country. He has given many examples based on his experience that how the research works was converted into patents and start-ups.
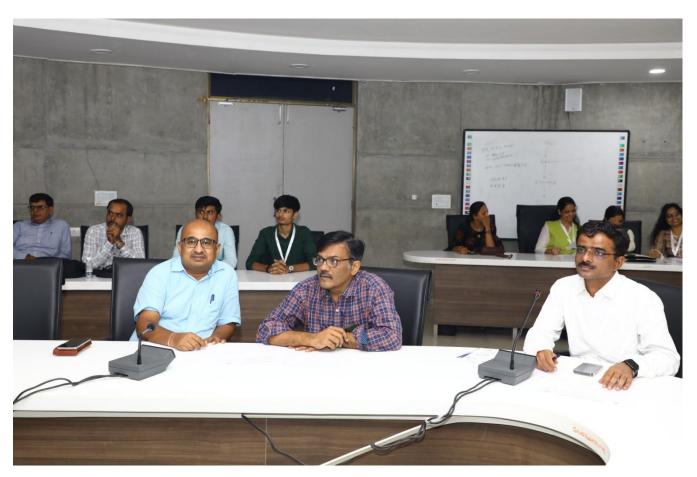
The 35 accepted papers for this conference under engineering domain were presented in different tracks: (i) Computer Science and IT (ii) Electronic and Communication Engineering (iii) Electrical Engineering (iv) Civil and Environment Engineering (v) Chemical Engineering (vi) Mechanical Engineering (vii) Instrumentation and Control Engineering. In beginning of each parallel session, the session-chairs were welcomed by the respective track coordinator from GTU-GSET and then after the authors have presented their work in sequence. The presented papers were judged by the session-chairs in order to find comparatively the best paper in each track. The authors of the best papers were awarded of Rs.5000 prize money as well as felicitated the best paper certificate.

There was overall good experience for researchers during this conference and all have praised GTU for organizing such conference.

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