

## GOVERNMENT ARTS COLLEGE, MANINAGAR, AHMEDABAD

### “SENSITIZING YOUNG MINDS”



SSIP cell and Innovation Club, Government Arts College, Maninagar, Ahmedabad organized one day workshop on “Sensitizing young Minds” on 22/2/2023 Wednesday in collaboration with Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India. Invited experts were Dr Anil Roy, faculty of DA-IICT, Gandhinagar, Prof. Bakul Gohel, assistant professor, DA-IICT, Prof. Vinay Palaparthy, assistant professor, DA-IICT, and Mr. Yash Shah, CEO, Client joy. The workshop started with registration along with

tea and breakfast at 8:30 AM. The workshop was started at 9:00 AM with registration followed by inaugural session. During inaugural session, prayer instrumented by BA SEM-4 student



Rajat Thakkar, followed lamp lighting by all invited guest on dais and respected principal mam, Dr Namita Sharma. After that, Principal mam welcomed all guest by presenting sapling to guests and delivered her speech.

First session started at 9:30-10:50 followed by Q&A round and it was taken by Dr Anil Roy.



Dr Roy, is a faculty of DA-IICT, Gandhinagar is an alumnus of IIT Delhi and IIT Roorkee. He worked at Centre for Theoretical Studies at Indian Institute of Science, Bangalore during 1993-94 followed by the Optical Fibre group at IIT Delhi till 1996. His main academic interest areas are sensors, Internet of Things, image processing, fibre optics, semiconductor physics, applications of technologies for humanitarian challenges. He is a senior member of IEEE. He is currently the VP of Technical Operations of IEEE Sensors Council (2022-2023) and was the Chair of IEEE Conference Publications Committee (2019-2020). He has been involved in



various efforts of spreading awareness about sensors and cyber security among students, parents and professionals as well. He is a Member of the Technical Committee for Climate Change Impact Studies and Related Projects, Climate Change Department, Govt.

of Gujarat (2019 onwards). He is Chairperson of GTU's Board of Studies (Science & Humanities) and the member of Academic Council of Marwari University. He was a member of the Committee on the Robotics Gallery, Gujarat Council of Science City (2019-2020), a member of the CII Gujarat Taskforce on Smart Villages & Cities, Govt. of Gujarat (2015-2018).



Dr Roy is very active in innovation and start-up related activities in his institute. He talked about various establish scientific theories and Mathematics equations which were invented on the basis of observation only. For e.g., Newton's law etc. He emphasised on that innovation is subject neutral. If any student is coming from arts back round or humanities back round also, if he/she has good observation power,

innovation can happen. He concluded on this note that major innovation happened on basis of observation of natural things.



Second Session started at 11:00-12:50 AM followed by Q&A round and was conducted by Prof. Vinay Palaparthi, is Assistant Professor at DA-IICT, has received he Ph.D. degree from the Indian Institute of Technology Bombay, Mumbai, India, in 2018. He is currently working in the field of Microelectromechanical system (MEMS)/Nanoelectromechanical system (NEMS) sensor design, 2-D nanomaterials and embedded system design primarily focusing on the in-situ agriculture applications. He has 20

research publications and one Indian patent awarded on his ongoing work. Dr. Palaparthi was awarded Inspire Fellowship for his Ph.D. degree from the Department of Science and Technology (DST). He has one best paper award in an international journal. He was a co-recipient of the Millennium Alliance Award for the startup name Proximal Soilsens Technologies Pvt., Ltd., where he is one of co-founder.



Dr Vinay talked about his own innovation based on sensors in Agriculture sector. He talked about sensors used in agriculture can enhance productivity by measuring accurate quantity of water required for irrigation. This would help to maximise utilisation of available water resources and can reduce the problem of water logging. He briefed that in this era of technology and digitalisation, sensors play a significant role in innovation process specially in agriculture sector. He also talked about future prospectus in agriculture sector to develop such kind of sensors which measure the fertiliser component in soil and fertilisers can be used accordingly to enhance productivity of this sector.



Lunch break was from 1:00-1:30 PM followed by third session from 1:30-3:20 PM on Entrepreneurship Development was taken by Bakul Gohel, assistant professor DA-IICT. He completed his PhD in the field of

bio and brain engineering from Korea Advanced Institute of Technology and Science (KAIST), South Korea, in 2015. He received his master (MTech) degree in the field of information technology (Spec. Bio-Informatics) from IIIT-Allahabad and his MBBS (Bachelor of Medicine

and Bachelor of Surgery) degree from a government medical college, Surat, India. Before joining DA-IICT, he was a researcher at the Korea Research Institute of Science and Standards, South Korea, from 2015 to 2018. His current research interest lies in the field of biomedical image and signals analysis, deep learning architecture and its applications, bio-medical



instrumentation, and brain signal analysis. He sensitised and motivated student about innovation process and new ideas. Tea break started at 3:30 and lasted till 3:45PM followed by last session started from 3:45-5:30 PM on

scalable startup was conducted by Mr Yash Shah, a BTech (Mechanical Engineering) from NIT Surat and worked as an Investment Banker before founding Clientjoy. He is a CNBC TV-18 Young Turk, an MITx Bootcamper and a Kairos Fellow. At Clientjoy, he serves as its Chief Executive Officer. Apart from Clientjoy, Yash serves on Mentor Board of Entrepreneurship Cells at



various reputed institutes including NIT Surat, Silver Oak College of Engineering & Technology, Ahmedabad & Vishvakarma Government Engineering College, Chandkheda. He has also been an Adjunct Faculty at various MBA Institutes including L. J. Institute of Management Studies and Gujarat National Law University. He has also delivered invited talks at various entrepreneurship & startup events including those at IIM-A & IIT-B.

Mr Yash is the live example for setting up innovative startups. He presented his views on the first principals to be followed while proceeding for startups. He talked very basic fundamentals about starting startups. He also resoled many doubts of student and faculty member regarding practical issue of startups.

The whole workshop had very interactive, fruitful discussion among speakers and students. All speakers were very much learned and scholar and benefited a lot to students. The valedictory session conducted from 5:40-6:00 PM.