A Brief Report of Industry Institute Interaction at the Department of Electronics & Telecommunication Engineering, Jadavpur University.

Title of the Lecture - Department of Atomic Energy: A Repository of Viable Technologies

Date, Time & Venue: 9th December 2022, Friday, 4.30-7.30 pm, Venue: T-3-7

Name of the Resource Person: Dr. Tapas Samanta

Brief resume of Dr. Samanta: Dr. Tapas Samanta, Senior Scientific Officer of VECC/DAE, Chairman of the Public Awareness Cell of Variable Energy Cyclotron Centre, VECC and Head of the Computer Division, VECC. He has worked in Nuclear Fuel Complex, Hyderabad and then joined VECC. He has worked in various National and International Collaborations like, LHC Computing Grid at CERN, Geneva, EU-India Grid etc. He has setup the ALICE Tier-2 Centre at Kolkata. He has worked with CERN collaboration over almost a decade. He has developed expertise in Automation & Control, Computer Networking, High Performance Computing, Computing Grid and precision hardware electronics.

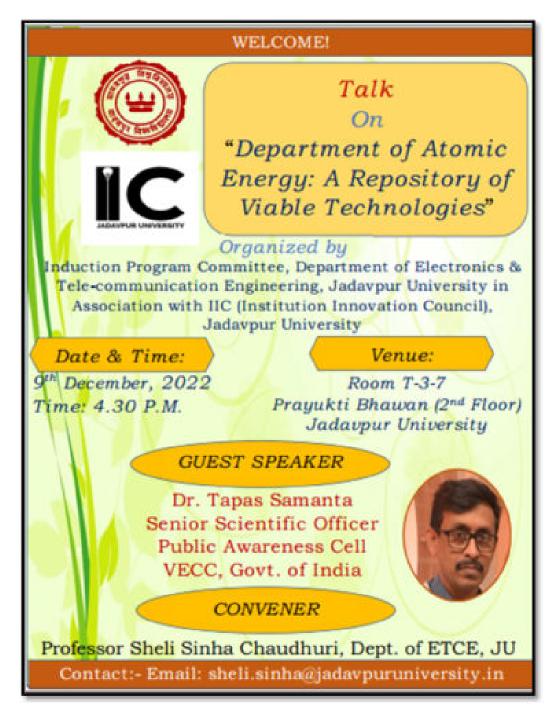
Summary of the talk: Dr. Samanta presented the insight of Repository of Viable Technologies with his various agenda items like: Harnessing the power of Atom requires know-how of Basic Science, Material Science, Process, Electronics, Computation, Remote handling & Robotics technology. DAE has multiple R&D units all over India where groups are dedicated to achieve excellence in each of these areas. Innovation and Improvement are the continuous processes in DAE. Years of such sustained efforts of the best scientists and engineers from every discipline of science & technology working together have yielded the solution to grab the power of Atom. In the process, DAE has developed many spin-off technologies in almost all the discipline. They are Multidisciplinary in Nature, involve Lots of Technological Challenges, overcome Embargos& Impositions and build Self Reliance with Indigenous efforts, In-house Expertize over Multiple Technologies. These new technologies are commercially viable for production as well as for launching new startups. To extend the benefits of these cutting edge technologies to the society and public as a part of Make-in-India initiative, DAE has set up five incubation centers across India. These centers will incubate new technologies for commercialization as well as transfer the already developed technologies to private domestic entrepreneurs for commercial production.

Each of these five incubation centers targets at twenty five annual transfers of technologies and launching startups. This presentation will broadly cover these technologies as well as the procedures to have them for commercial production. Department of Atomic Energy opens up opportunities to your engineering graduates and Science post graduates as well through its various induction programs. The scopes, opportunities, challenges of these programs are very attractive as well as competitive.

Attendance Sheet:

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