

Live Webinar on COVID 19 Impact Strategies for Education and Challenges in Virtual Learning

Organised by
Department of Computer Science
in association with IQAC

Department of Computer Science in association with IQAC organised a Live Webinar on “COVID 19 Impact, Strategies for Education and Challenges in Virtual Learning” in Collaboration with CSE on May 12, 2020. The two-hour session was conducted live on Google MEET with more than 120 participants. Participants included faculty members from different Universities and colleges across India and abroad (Iraq & Kuwait)

The speakers for the session were Dr. Neelima Gupta, HOD, Department of Computer Science, University of Delhi, and Mr. Swaranjeet Singh, Director, Hartek Group of Companies. Dr. Satvinder Kaur, HOD, Department of Computer Science, welcomed the speakers and introduced them to the participants. Dr. Jatinder Bir Singh, Principal, opened the session and discussed briefly the impact of COVID 19 on education system.

Dr. Neelima Gupta discussed the different opportunities and challenges that come along with the COVID 19 Impact all over. Different Opportunities like becoming digitally aware through different platforms, enhancing online education to rural students, creating and sharing the knowledge using e-contents, and different collaborations in the field of teaching be a positive side of the complete situation. While, Challenges like Required Expertise and Knowledge of Teachers, Course Design in accordance, conducting labs in Science courses, and Plagiarism does exist and demand timely solutions. She further stressed different factors that can turn out as a possible solution to the existing challenges, elaborating on Digital Literacy, Connectivity, Family Circumstances, and Virtual Labs. While Evaluation is still a Big Question in today’s time, as to how examinations and other evaluations can be done.

Swaranjeet Singh discussed the Impact of COVID 19 into Two parts. **Part A**, where he addressed the complete impact in totality. To Examine the situation from a large perspective can make it simpler to find the solutions at the micro-level. He further added that we need to consider the impact in totality and look upon what has already happened and what might happen shortly. He also discussed that the Maslow’s Need Hierarchy (Mother of all Models) through which he

distinguished different human needs and a different impact of the pandemic on these needs. He concluded that 35% of the people are living the lives with no basic amenities like clean and hygienic food, 15% of the people are not meeting their social needs with problems in relationships, while 50% of the total population is simply dealing with the esteem Needs and are looking for equality. However, only 1% of the people reaches Self-Actualization in this pyramid. He talked about certain macro-economic indicators to analyze the situation for our near future, like Revenue Sources, Economic Condition like Government Expenditure and resources, GDP, and other Supply Chain Problems. He presented a scary macro-level picture of the short-term impact of COVID and Pulse of the nation, where he listed some important service and manufacturing sectors along with agriculture and indicated their short-term impacts, GDP Contributions, and Employment in each sector. Again, he stressed that determination and hard work can turn it better.

Part B, where he specifically focused on academics and the impact caused from a different perspective. He put forward the 4 stakeholders like Institutes/Universities, Staff/Teachers, Industry, and the Students and 3 challenges, Technological Invasion, Virtual Learning, and COVID 19 in the same direction. He discussed the Rapid Technological Growth and its impact by addressing a very common question of redefining the role of a teacher today, secondly, he addressed the voice of the industry and students. He very interestingly shared the Technological Invasion and the actual condition of the industry. He also highlighted the Long-term impact of Technology on Demand in terms of different types of work. Workforce Demography, with education system alignment and corporate thinking, was discussed with certain outcomes and he concluded that the Education system needs to focus on students as per their category and should offer an opportunity to attain the level as per the abilities. He focused on University-Industry Partnership, to meet the levels of the industry, strengthening Placements-Partnership Model, and the CSR for Education Funding. He stated that classroom learning should and will continue without any alternative while distinguishing between online classes and e-learning. And concepts that may replace Old-Thinking should be taught, by restructuring the content.

The participants actively participated in the webinar for addressing different challenges faced in the teaching, today, and to adopt different strategies to overcome them. Pertinent questions asked by participants were answered well by both the speakers. But it was felt that there are many areas that are yet to be pondered upon.

The response and feedback received from participants during and after the session was overwhelming. Almost all the participants wanted to be a part of more such webinars. The content presented by the honourable speakers and its delivery were much appreciated. The participants found the webinar to be quite informative and insightful since the ideas which were

presented suggested practical and easy-to-apply strategies in virtual teaching. Overall, it was a highly enriching experience, guiding and encouraging teachers to get well-versed with online teaching modes especially in times of such distress when online teaching is becoming the norm, rather than an exception.

The session ended with the vote of thanks by Dr. Sangeeta Dodrajka, Director, IQAC. The inputs from participants clearly indicated that the webinar was a successful initiative.

Opportunities and Challenges

- **Opportunities**
 - To become digitally aware
 - Enhance access of online education to rural students
 - To create and share knowledge: Create e-content
 - To improve knowledge: Use existing e-content
 - Collaborations in Teaching
- **Challenges**
 - Expertise of Teachers
 - Course Design
 - Conducting Labs in Science Courses
 - Plagiarism

0:00:35

Neelima G

Can e-Learning Replace Class Rooms

Class Room	eLearning
	
<ul style="list-style-type: none">- Essential Learning including Personality Development- Practical Labs and Experiment Requiring Human Interventions- Personalized Coaching	<ul style="list-style-type: none">- Basic Concepts- Specialized Subjects- Supplementary Certification- Case Studies (with no human intervention)

0:59:13

TICK-MARK

4:53:19

Swaranjeet Singh (Jeet)