Special Presentation
IBM - Innovation Center for Education (ICE) Program
Date: June 22 and 25, 2021
Theme:

IBM's offerings and partnership with academic institutes

A special presentationin response to National Webinar held on 12th June with Dr. Anil Sahasrabudhe, Chairman, AICTE (5th National Event by IBM) by IBM Innovation Center for Education (ICE) has been held on June 22 and 25, 2021 in virtual mode by IBM and hosted by its industrial partner named Datagami Technology Services Pvt. Ltd, Mumbai - 400 069 from 11.30 am to 1.00 pm(IST). This presentation was organized to introduce IBM - ICE Program (Unique Global Initiative by IBM) to handful of educational institutes for making students of these selected institute industry ready by providing thorough understanding & training of industry-required skills from IBM experts. FET-GKV, Haridwar is one of those privileged academic institute in the country, which has been chosen by IBM-ICE Team for the Industry-Academia Collaboration. Members of IIC,GKV attended it .

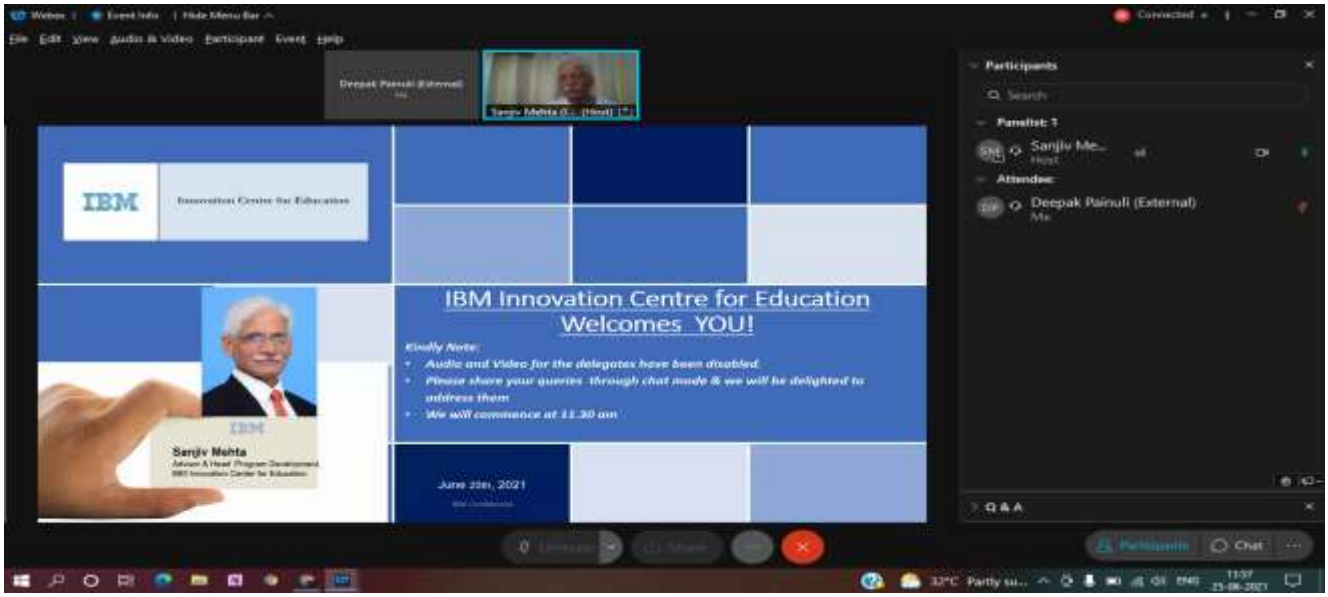
This online presentation was hosted by Mr. Sanjiv Mehta, Advisor & Head Program Development, IBM Innovation Centre for Education(ICE), on following points given below:-

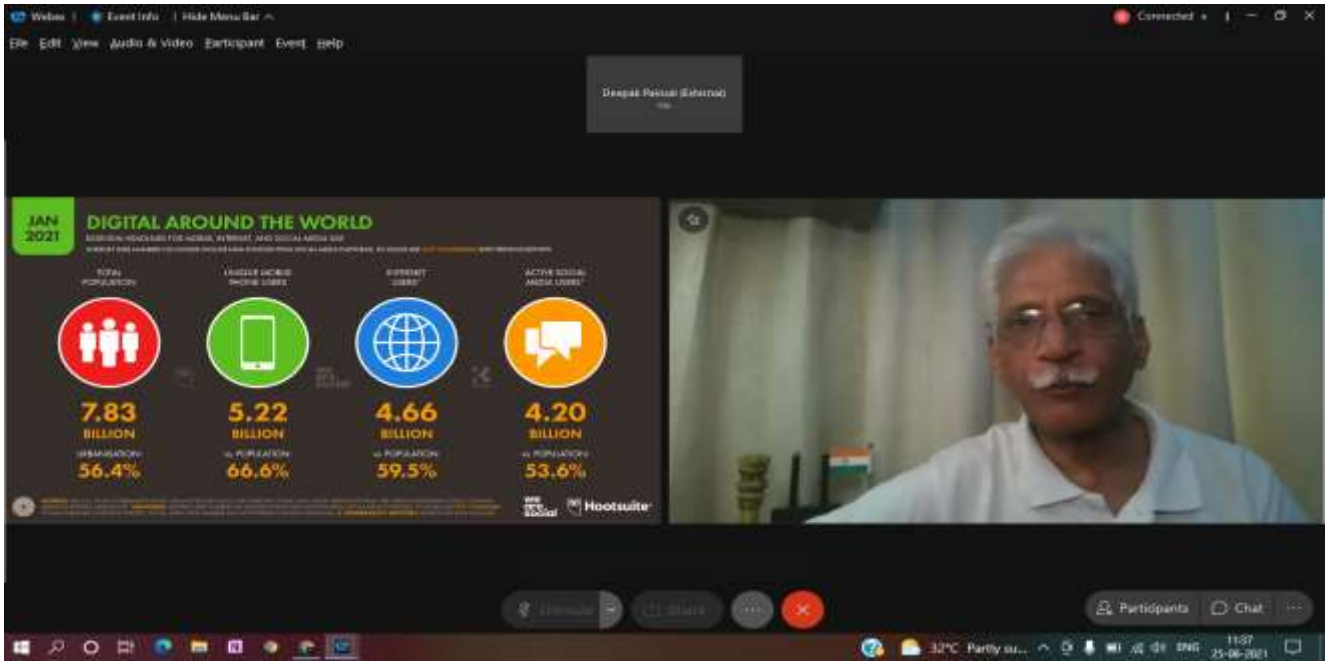
- IBM Collaboration with Education Institutes.
- IBM's Centre of Excellence at Education Institutes.
- IBM's Emerging Technology & Industry Domain Courses for Education Institutes.
- IBM's Schedule of Signing & Commencing Collaborations with New Education Institutes for the Academic Year 2021-22.

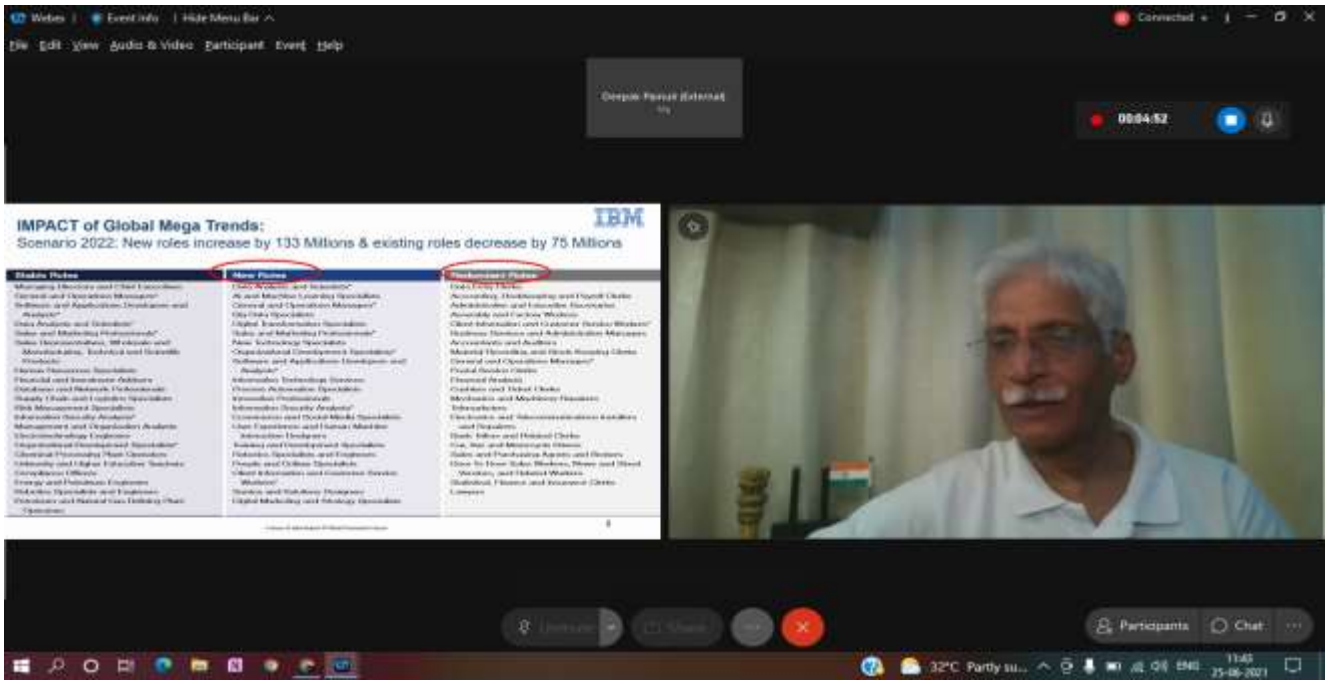
Initially Mr.Sanjiv Mehta discussed need of digital literacy for every human being using past survey stats of internet uses in in the world and showcased the increment in introduction of New Roles against the collapse of Old Roles with the estimated 02:01 ratio in the job market, whether roles are related to IT or some other industry. He also explained about reasons of academic institutes to be failed in regards to generate industry ready students and also asked to institute to shake hand with Subject domain Experts from Industries, considering the fact that skills provided by academic institute to their students during their courses are not at par industry specification required by specific industry, this explanation landed to "Industry-Academia Collaboration" between academic institutes & IBM – ICE.

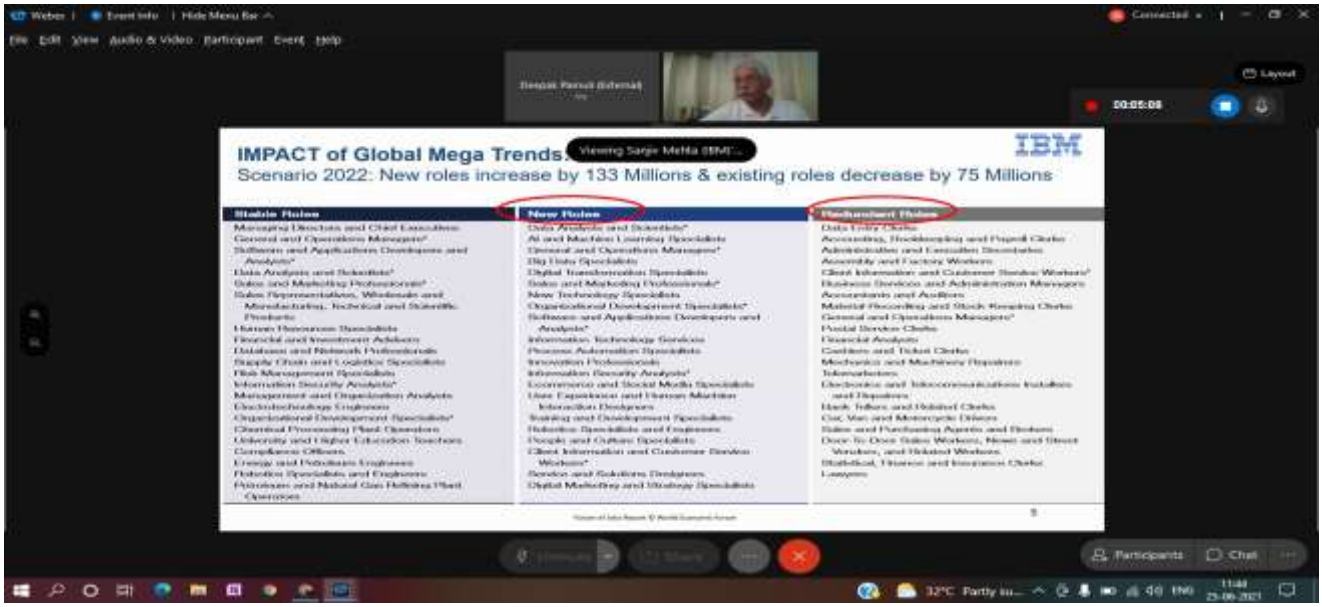
Under this Industry-Academia Collaboration by IBM-ICE, Mr.Sanjiv Mehta briefed about how this collaboration works to develop students of associated institutes to be industry expert by giving them an appropriate skill development environment by providing subject domain experts (either from IBM itself or host institute's professor trained by IBM), fully equipped lab and study resources online & offline both via experts recognised by IBM-ICE Team. Mr.Sanjiv Mehta also added how this collaboration will help students, teacher and associated academic institute to grow in current market scenario and be future ready all the time. By presenting the example of Digital Developer Conference by IBM, he emphasised on importance of this collaboration having past average recruitment success rate almost 95%.

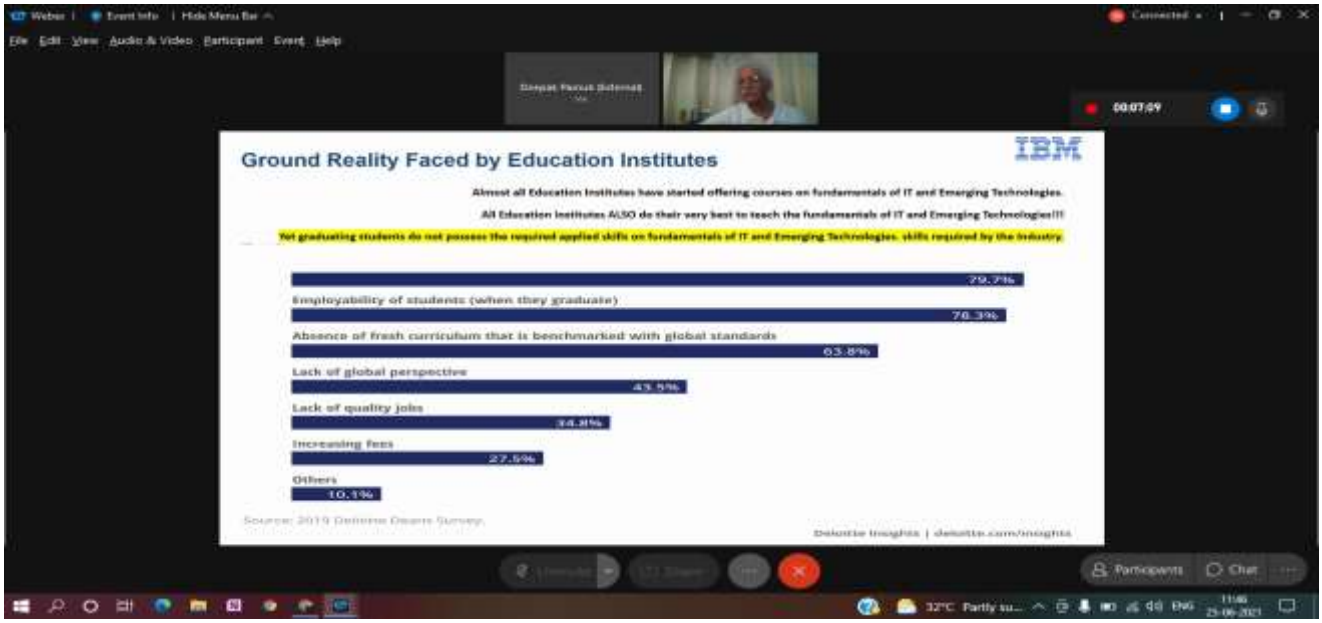
In the final worlds of this presentation, along with above said, Mr.Sanjiv Mehta also discussed about different – different IBM-ICE offerings on the basis of course duration, min criteria for these offerings no of specialisation opted by institute & no of student registered, schedule of signing & commencing Collaborations for the academic year 2021 - 2022 and benefits of this partnership to the host institute.


IBM
Innovation Centre for Education
IBM Innovation Centre for Education
Welcomes YOU!
Kindly Note:
Audio and Video for the delegates have been disabled.
Please share your queries through chat mode & we will be delighted to address them.
We will commence at 11.30 am
Sanjiv Mehta
June 25th, 2021
Participants
Panelist: 1
Sanjiv Me...
Attendee:
Deepak Painuli (External)
Q&A
Chat

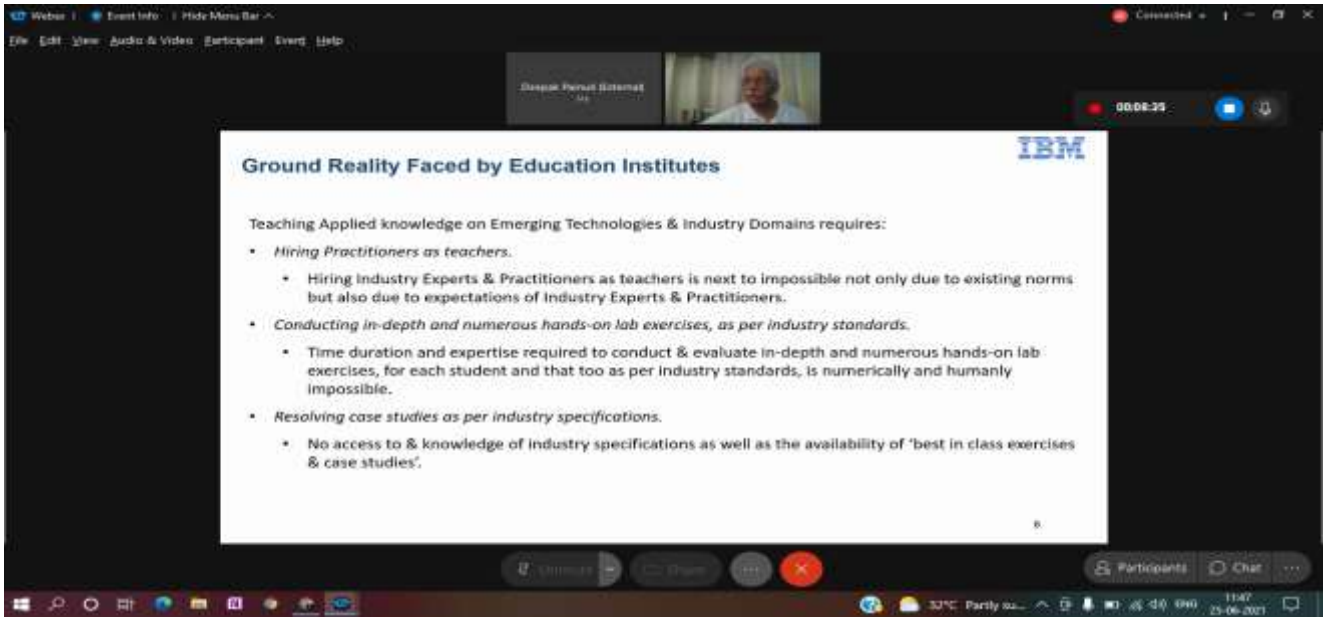

JAN 2021
DIGITAL AROUND THE WORLD
7.83 BILLION
URBANISATION 56.4%
5.22 BILLION
% POPULATION 66.6%
4.66 BILLION
% POPULATION 59.5%
4.20 BILLION
% POPULATION 53.6%
Hootsuite
Participants
Chat

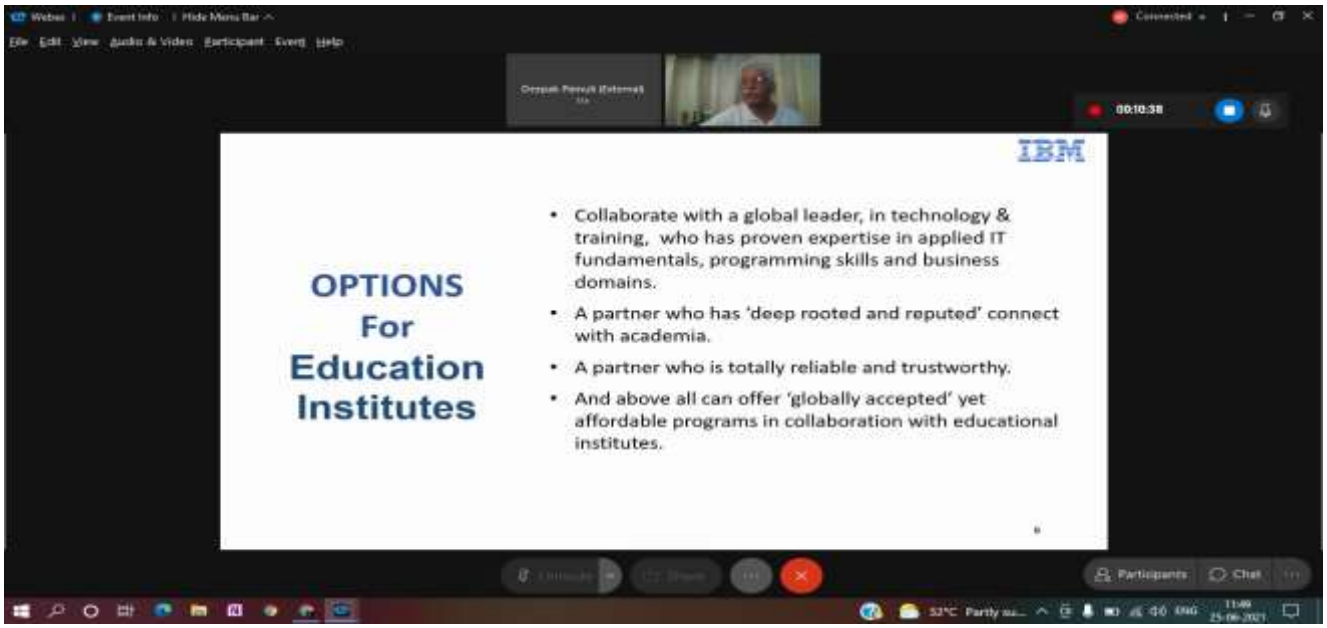

00:04:52
IBM
IMPACT of Global Mega Trends:
Scenario 2022: New roles increase by 133 Millions & existing roles decrease by 75 Millions
Participants
Chat

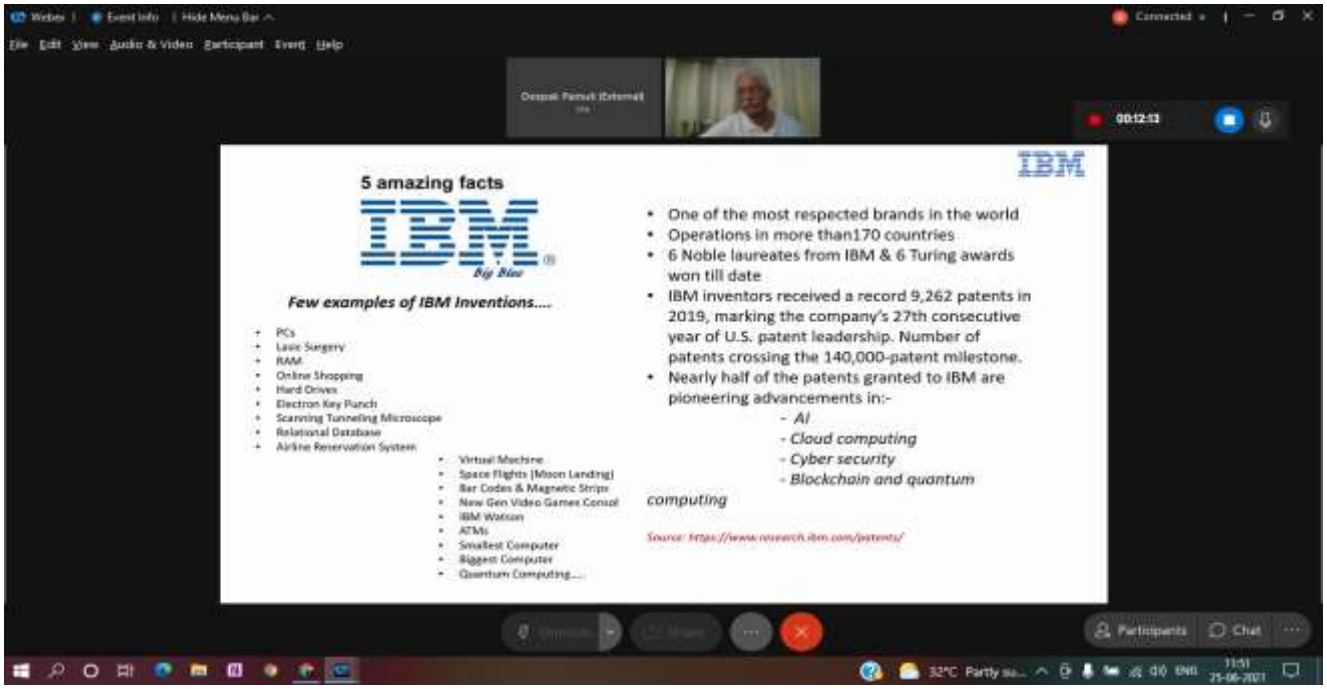

IMPACT of Global Mega Trends
Scenario 2022: New roles increase by 133 Millions & existing roles decrease by 75 Millions
IBM
Stable Roles
New Roles
Redundant Roles

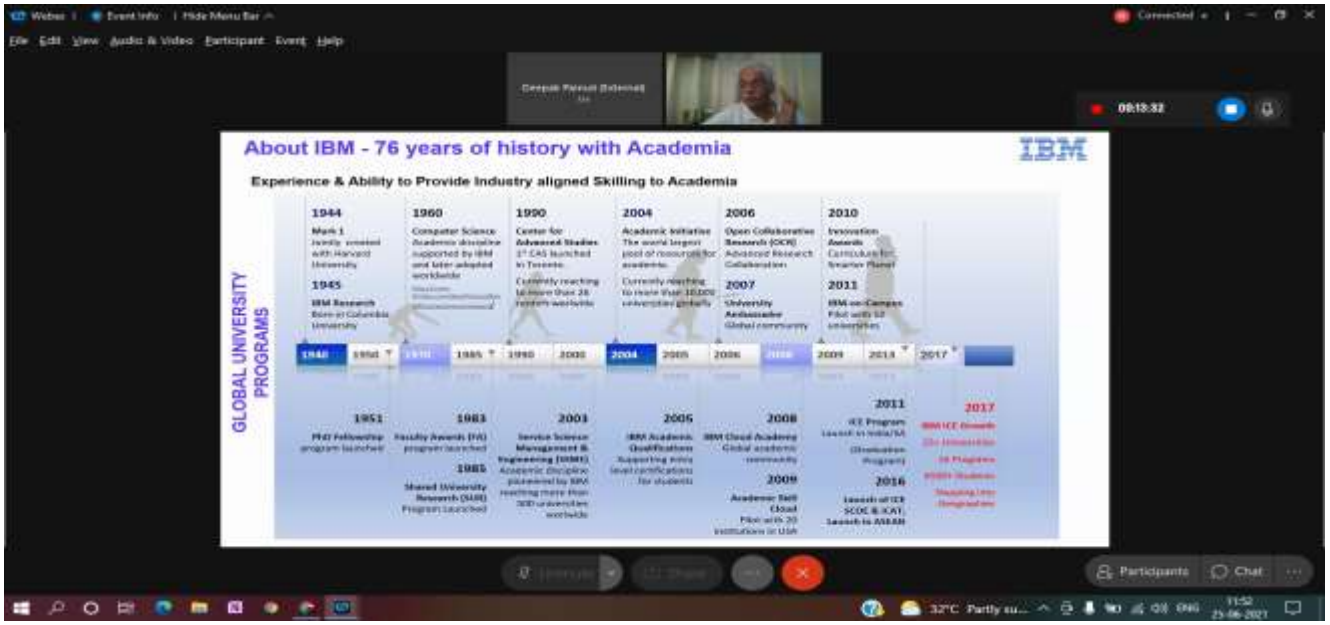

Ground Reality Faced by Education Institutes
IBM
Almost all Education Institutes have started offering courses on fundamentals of IT and Emerging Technologies
All Education Institutes ALSO do their very best to teach the fundamentals of IT and Emerging Technologies!!!
Yet graduating students do not possess the required applied skills on fundamentals of IT and Emerging Technologies, skills required by the industry.
29.7%
Employability of students (when they graduate)
70.3%
Absence of fresh curriculum that is benchmarked with global standards
63.8%
Lack of global perspective
43.5%
Lack of quality jobs
34.8%
Increasing fees
27.5%
Others
10.1%

Scenario 2030: Global Talent Crunch. Only India shall have surplus manpower
IBM
Talent shortage costs $8.5 trillion in foregone revenues by 2030
US
China
Japan
Germany
UK
Russia
France
South Arabia
Netherlands
UAE
South Africa
Total for these countries:
$8.5 trillion
World shall face biggest talent crunch of over 50 million by 2030 while
India will be the only country with Manpower Surplus

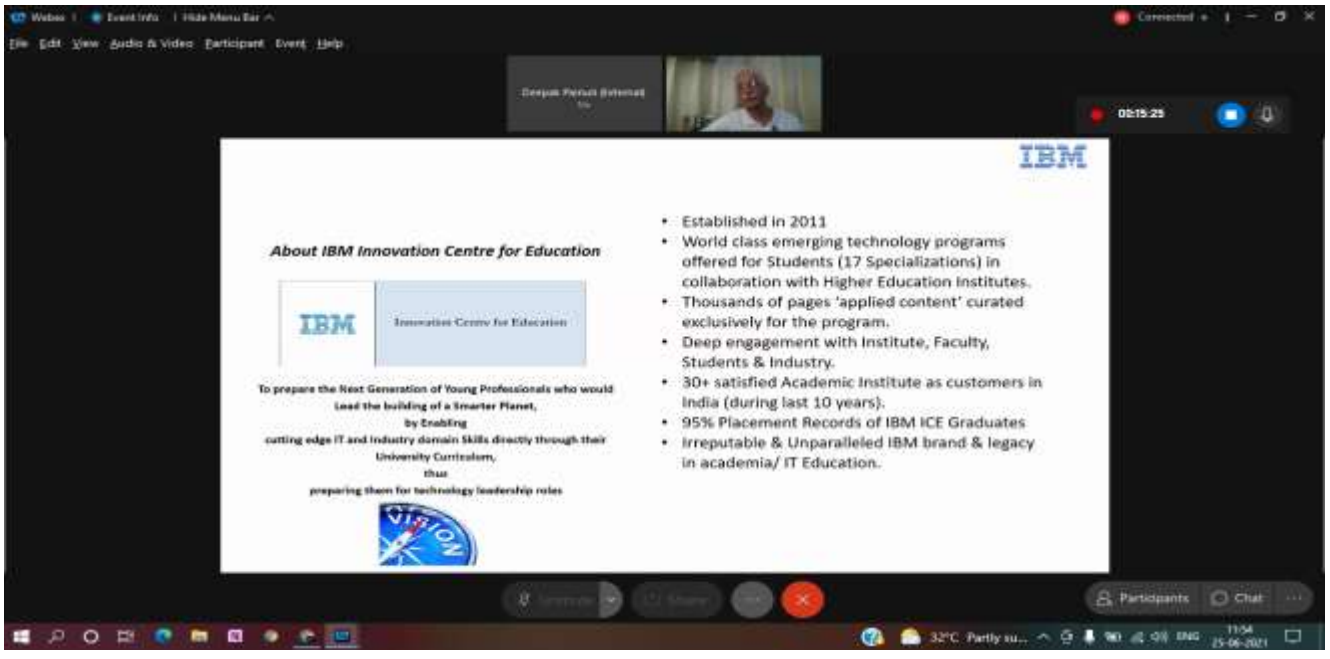

Ground Reality Faced by Education Institutes
IBM
Teaching Applied knowledge on Emerging Technologies & Industry Domains requires:
Hiring Practitioners as teachers.
Hiring Industry Experts & Practitioners as teachers is next to impossible not only due to existing norms but also due to expectations of Industry Experts & Practitioners.
Conducting in-depth and numerous hands-on lab exercises, as per industry standards.
Time duration and expertise required to conduct & evaluate in-depth and numerous hands-on lab exercises, for each student and that too as per industry standards, is numerically and humanly impossible.
Resolving case studies as per industry specifications.
No access to & knowledge of industry specifications as well as the availability of 'best in class exercises & case studies'.


IBM
OPTIONS For Education Institutes
Collaborate with a global leader, in technology & training, who has proven expertise in applied IT fundamentals, programming skills and business domains.
A partner who has 'deep rooted and reputed' connect with academia.
A partner who is totally reliable and trustworthy.
And above all can offer 'globally accepted' yet affordable programs in collaboration with educational institutes.


5 amazing facts
IBM
Big Blue
Few examples of IBM Inventions....
PCs
Lasic Surgery
RAM
Online Shopping
Hard Drives
Electron Key Punch
Scanning Tunneling Microscope
Relational Database
Airline Reservation System
Virtual Machine
Space Flights (Moon Landing)
Bar Codes & Magnetic Strips
New Gen Video Games Consol
IBM Watson
ATMs
Smallest Computer
Biggest Computer
Quantum Computing....
IBM
One of the most respected brands in the world
Operations in more than170 countries
6 Noble laureates from IBM & 6 Turing awards won till date
IBM inventors received a record 9,262 patents in 2019, marking the company's 27th consecutive year of U.S. patent leadership. Number of patents crossing the 140,000-patent milestone.
Nearly half of the patents granted to IBM are pioneering advancements in:-
- AI
- Cloud computing
- Cyber security
- Blockchain and quantum computing
Source: https://www.research.ibm.com/patents/


About IBM - 76 years of history with Academia
IBM
Experience & Ability to Provide Industry aligned Skilling to Academia
GLOBAL UNIVERSITY PROGRAMS
1944
1945
1960
1990
2004
2006
2007
2010
2011
1951
1983
1985
2001
2005
2008
2009
2011
2016
2017

IBM OFFERINGS IN COLLABORATION WITH EDUCATION INSITUTES
IBM
IBM OFFERINGS
• Programming Languages Courses
• Emerging Technology Courses
• Industry Domain Courses
• Centre of Excellence


IBM
About IBM Innovation Centre for Education
IBM
Innovation Centre for Education
To prepare the Next Generation of Young Professionals who would
Lead the building of a Smarter Planet,
by Enabling
cutting edge IT and industry domain Skills directly through their
University Curriculum,
thus
preparing them for technology leadership roles
• Established in 2011
• World class emerging technology programs offered for Students (17 Specializations) in collaboration with Higher Education Institutes.
• Thousands of pages 'applied content' curated exclusively for the program.
• Deep engagement with Institute, Faculty, Students & Industry.
• 30+ satisfied Academic Institute as customers in India (during last 10 years).
• 95% Placement Records of IBM ICE Graduates
• Irreputable & Unparalleled IBM brand & legacy in academia/ IT Education.

THE BIG DIFFERENCE ABOUT IBM PROGRAMS

- Designed strictly in accordance with IBM's exacting global standards of excellence in skilling using unified learning approaches.
- Bloom's Taxonomy principles applied to build critical thinking capabilities.
- Highly practice oriented, taught & assessed by leading Industry Experts.
- Comprehensive learning paths, specially curated by IBM, and aligned to specific, in-demand, job roles of the IT industry
- Exposure to industry best practices to think logically from different perspectives to solve problems.
- Is powered by a best-in-class platform
- Projects, & instant diagnostic feedback like a personal trainer.
- Regular virtual sessions and ticket-based guidance from IBM Subject Matter Experts cements the applied learning.
- Annual contests are conducted for students to benchmark themselves, and with peers across the country.

Skills for 21st Century – Curriculum with "T" shaped skills

- Industry Aligned Curriculum /Courseware specially developed for Academia-Students including Lab material
- Curricula Designed to Build T-shaped individuals with indepth skills in CAMSS (Cloud, Analytics, Mobility, Social & Security) & Open Source Technologies & across industries (BFSI, Telecom, Healthcare, Retail, O&G etc)
- Focus is on developing capability to build "IT SOLUTIONS" (Skills -Technology + Industry Domain Processes + Business Aspects)

B.Tech with specialization in:

MBA with specialization in:

Emerging Technologies; The Future is "Now"!

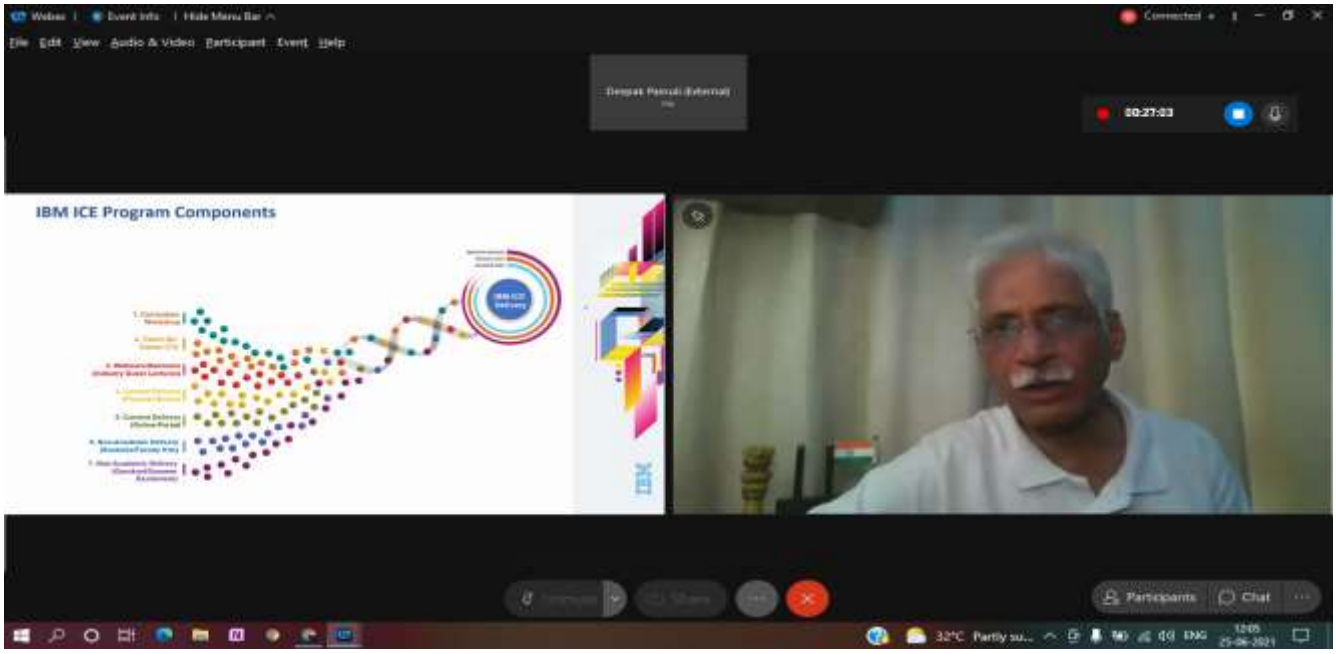
New digital technologies are disrupting the business landscape. Demand for new job roles is created....

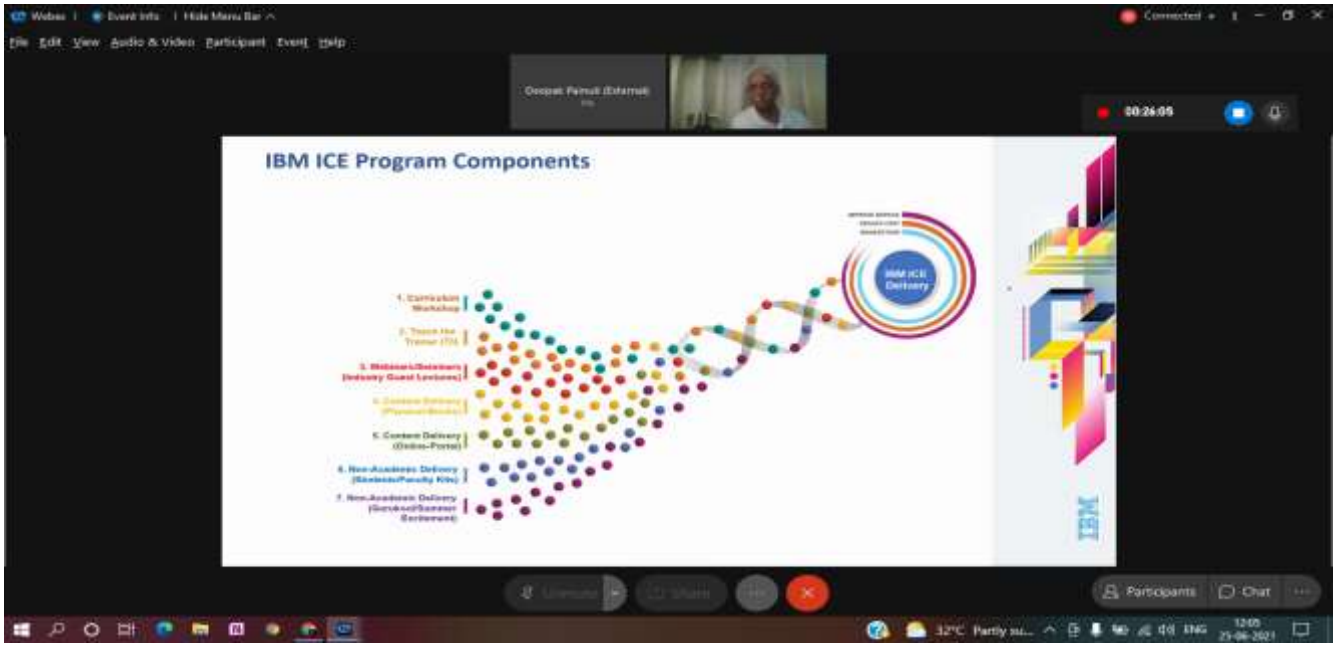
Key Emerging Technologies: Market size and growth

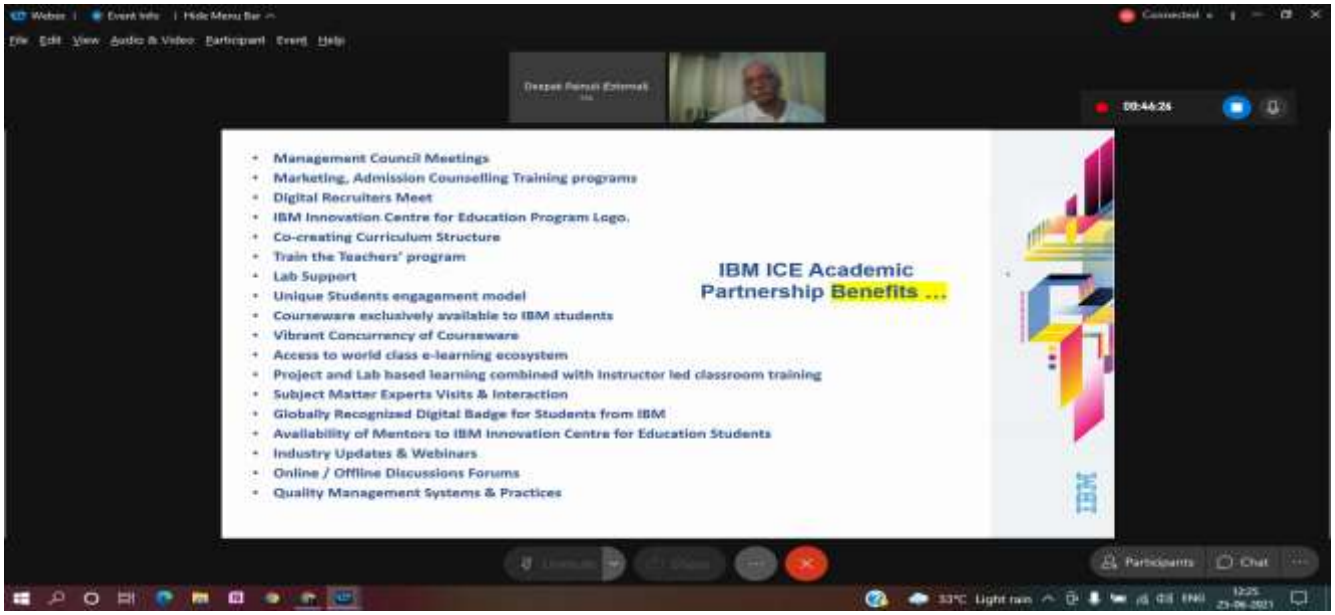
Cloud technologies	Internet of Things	Data Science/Analytics	Cyber Security
$623.3bn expected global opportunity for cloud computing by 2023	1.5tn connected things will be in use worldwide by 2030	446.42bn expected global market size of Data Science/ Analytics by 2025	281.74bn expected global market size of Cyber Security by 2027

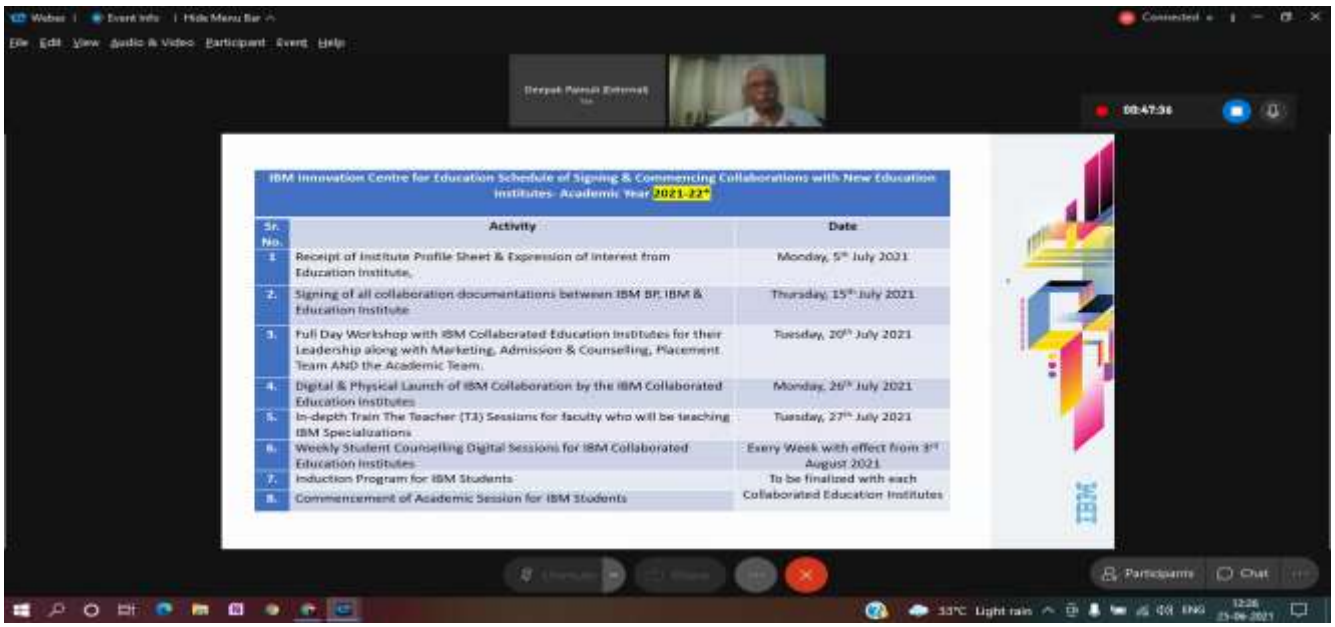
Gaming technologies	Artificial Intelligence	Mobile Applications	Block Chain technologies
$90.0bn expected global market size of Gaming technologies by 2025	$733.7bn expected global market size of AI by 2027 (Source: Garden View Research)	$717 bn expected global market size of AI by 2030 (Source: transparency Market Research)	$3.1tn expected global market size of Block chain technologies by 2030

ICE Program Offerings with Target Academic Institutions
IBM
UG/PG Integrated Program (4 yr-Graduate)
System Center of Excellence certificate stream (3 yr-Diploma+ Certificate)
System Center of Excellence certificate stream (2 yr-Diploma)
1 yr-IBM Certificate for Advanced technology (ICAT)
Labs, Projects, SME campus sessions, Courseware access and student interactions and events with industry


IBM ICE Program Components


IBM ICE Program Components





IBM Innovation Centre for Education Schedule of Signing & Commencing Collaborations with New Education Institutes- Academic Year 2021-22*

Sr. No.	Activity	Date
1.	Receipt of Institute Profile Sheet & Expression of Interest from Education Institute.	Monday, 5th July 2021
2.	Signing of all collaboration documentations between IBM BP, IBM & Education Institute	Thursday, 15th July 2021
3.	Full Day Workshop with IBM Collaborated Education Institutes for their Leadership along with Marketing, Admission & Counselling, Placement Team AND the Academic Team.	Tuesday, 20th July 2021
4.	Digital & Physical Launch of IBM Collaboration by the IBM Collaborated Education Institutes	Monday, 26th July 2021
5.	In-depth Train The Teacher (T3) Sessions for faculty who will be teaching IBM Specializations	Tuesday, 27th July 2021
6.	Weekly Student Counselling Digital Sessions for IBM Collaborated Education Institutes	Every Week with effect from 1st August 2021
7.	Induction Program for IBM Students	To be finalized with each Collaborated Education Institutes
8.	Commencement of Academic Session for IBM Students	