



ICTACADEMY

presents



Skycampus

DIGITAL KNOWLEDGE SERIES

— 2020 —

SEASON 1

TECHNOLOGY FOR FUTURE

9 DAYS - 9 EXPERTS - 9 SESSIONS

9th to 18th Apr 2020 : Every Day 10 - 11 am

SEASON 1 - POST EVENT REPORT

ABOUT ICT ACADEMY

ICT Academy is an initiative of the Government of India in collaboration with the state Governments and Industries. ICT Academy is a not-for-profit society, the first of its kind pioneer venture under the Public-Private-Partnership (PPP) model that endeavors to train the higher education teachers and students thereby exercises on developing the next generation teachers and industry ready students. With training of teachers and students as the primary objective, ICT Academy has been working through a seven-pillar program in the areas of Faculty Development, Student Skill Development, Entrepreneurship Development, Youth Empowerment, Industry Institute Interaction, Digital Empowerment and Research & Publications. ICT Academy is recently endorsed and recommended by NITI Aayog (National Institution for Transforming India Aayog), the National Planning body of Government of India as one of the unique organization for dissemination and replication, which is aligned to the Skill India Vision of the Government of India.



ABOUT SKYCAMPUS

Education is one powerful tool that will improve the lives of people and their families, and the communities they live in. ICT Academy with a goal of empowering every educators and student through expert talk has launched "SkyCampus" initiative, an interactive online learning platform.

The purpose and scope of SkyCampus is to bring quality academic and career support to all academic and student fraternity and ensure success in the 21st century education. ICT Academy is collaborating with corporate gurus to create a massive online learning platform, that will address all the major challenges of content delivery and learning methodology.

SKYCAMPUS – DIGITAL KNOWLEDGE SERIES

As a part of SkyCampus, ICT Academy has launched Digital Knowledge Series through its SkyCampus platform, with an objective of providing industry expert sessions on various topics relevant to the context of today and future.

Season 1 - 'Technology for Future'

The first season comprising 9 sessions was focused on the theme 'Technology for Future' and it was scheduled for 9 days between 9th April 2020 and 18th April 2020. The session happened between 10 am and 11.10 am IST every day.

Participants

Academic Leaders, Educators, Industry Professionals, Entrepreneurs and Students from across the globe.

SEASON 1 SPEAKERS



Saurabh Bhattacharya
Amazon Internet Services Pvt. Ltd.



Arjun S Meda
Automation Anywhere



Sachin Kumar
VMware



Dr. Spandana Gonuguntla
MathWorks



Dr. Souvick Chatterjee
MathWorks



Anand V Pujari
Autodesk



Durgaprasad Kakaraparthi
Amazon Internet Services Pvt Ltd.



Dr. Anbu Rathinavel
Intellect Design Arena



Ananth BS
Cisco Systems












Sriram Parthasarathy
DXC Technology



Dr. B Anbuthambi
ICT Academy

SEASON 1 - SCHEDULE

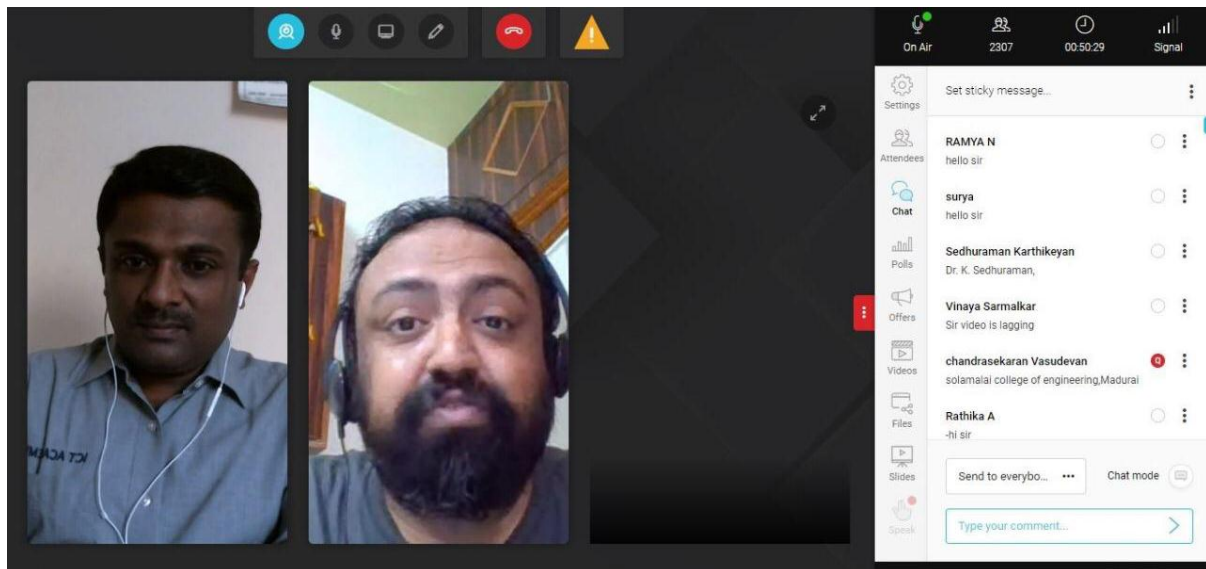
Date	Session Topic	Facilitator	
9 APRIL 2020 (THU)	Future of AI inspired by Customer Use Cases for AI-ML	Saurabh Bhattacharya	
10 APRIL 2020 (FRI)	Robotic Process Automation: Basics and Beyond	Arjun S Meda	
11 APRIL 2020 (SAT)	Introduction to VMWare Cloud	Sachin Kumar	
13 APRIL 2020 (MON)	Accelerating Experiential Learning in Engineering - A Mathworks Approach	Dr. Spandana Gonuguntla Dr. Souvick Chatterjee	
14 APRIL 2020 (TUE)	The Future of Making	Anand V Pujari	
15 APRIL 2020 (WED)	Introduction to AI & ML	DurgaPrasad Kakaraparthi	
16 APRIL 2020 (THU)	Cybersecurity Essentials	Ananth BS	
17 APRIL 2020 (FRI)	Design Thinking - Preparing the mind for disruption	Dr Anbu Rathinavel	
18 APRIL 2020 (SAT)	Digital Transformation in Enterprise	Sriram Parthasarathy	

Moderator: Dr. B Anbuthambi, President, ICT Academy

SESSION 1: FUTURE OF ARTIFICIAL INTELLIGENCE

SAURABH BHATTACHARYA, AMAZON INTERNET SERVICES PVT. LTD.

09 APRIL 2020, 10:00 AM TO 11: 15 AM

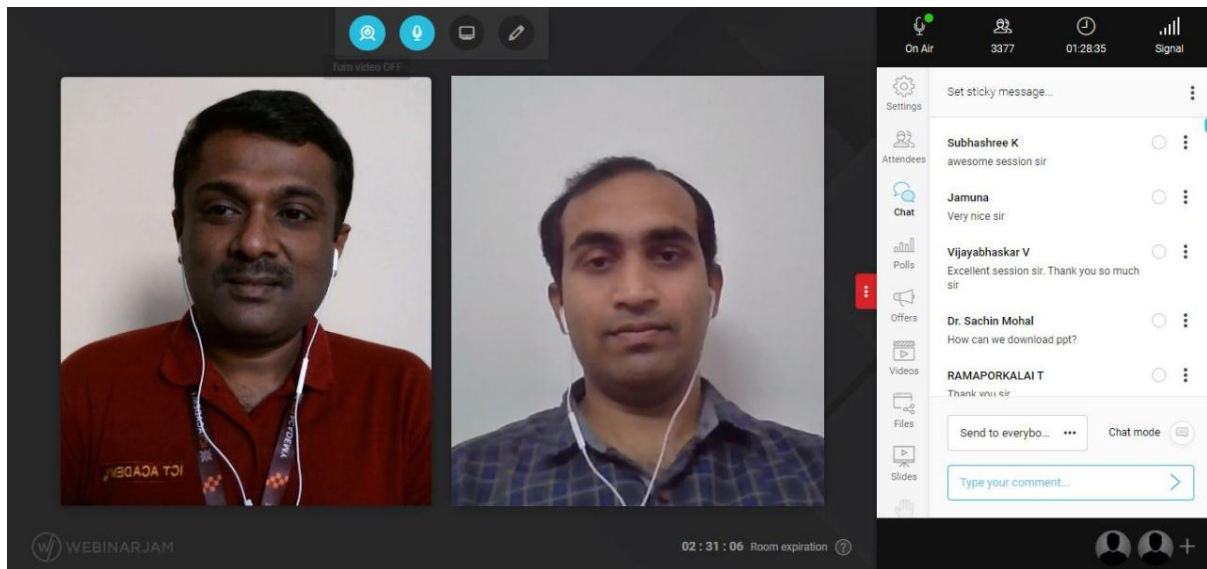


In the context of AWS applications in AI/ML domain, and in terms of adopting technologies, nations are either early adopters (Eg: USA) or Followers (Eg: India). The fact, what is applied in early adopters will be applied to followers within 4 to 5 years. Advanced Deep learning, Machine learning, Artificial Intelligence, Blockchain, etc. will soon revolutionize our nation. Deep Learning is restricted to specific area whereas Machine Learning is a broader term. In Amazon heritage of machine learning, we now have started delivering products through drones. In certain cities of US, there are amazon go store which are basically cashier less. It just requires log in with amazon account where credit card is integrated. Above all, what is critically required for Machine Learning is skilled resource. Advanced image analysis in-car camera and Demand forecasting are some more common examples of AI/ML application.

SESSION 2: RPA BASICS AND BEYOND

ARJUN S MEDA, AUTOMATION ANYWHERE

10 APRIL 2020, 10:00 AM TO 11: 15 AM

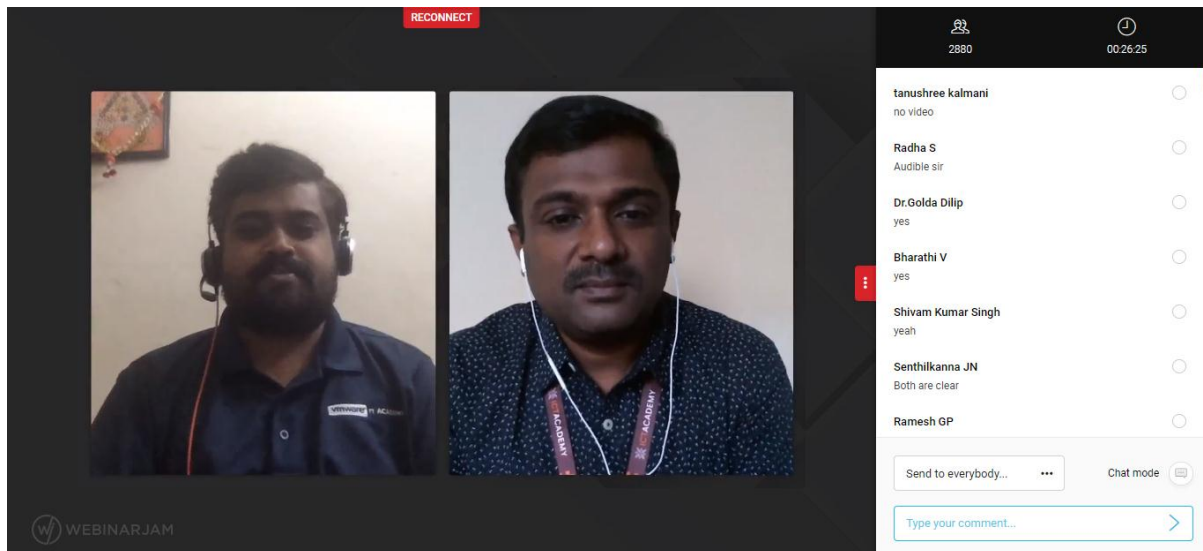


Technology jobs have become persuasive. We need to be equipped for next generation of jobs and entrepreneurship. With the implementation of RPA, robots as software bots perform monotonous tasks in large IT applications such that humans can involve only on critical thinking and project management. The digital workforce comprises RPA, cognitive process and smart analytics. Examples of automation includes opening of emails and attachments, web scraping, etc. Finally, he has also briefed on Automation Anywhere University, which provide courses on technical skills for students and educators besides mentioning the MoU signed with ICT Academy at the Bridge'19 Delhi summit on training 5,00,000 students in RPA skills by 2021.

SESSION 3: INTRODUCTION TO VMWARE CLOUD

SACHIN KUMAR, VMWARE

11 APRIL 2020, 10:00 AM TO 11: 15 AM

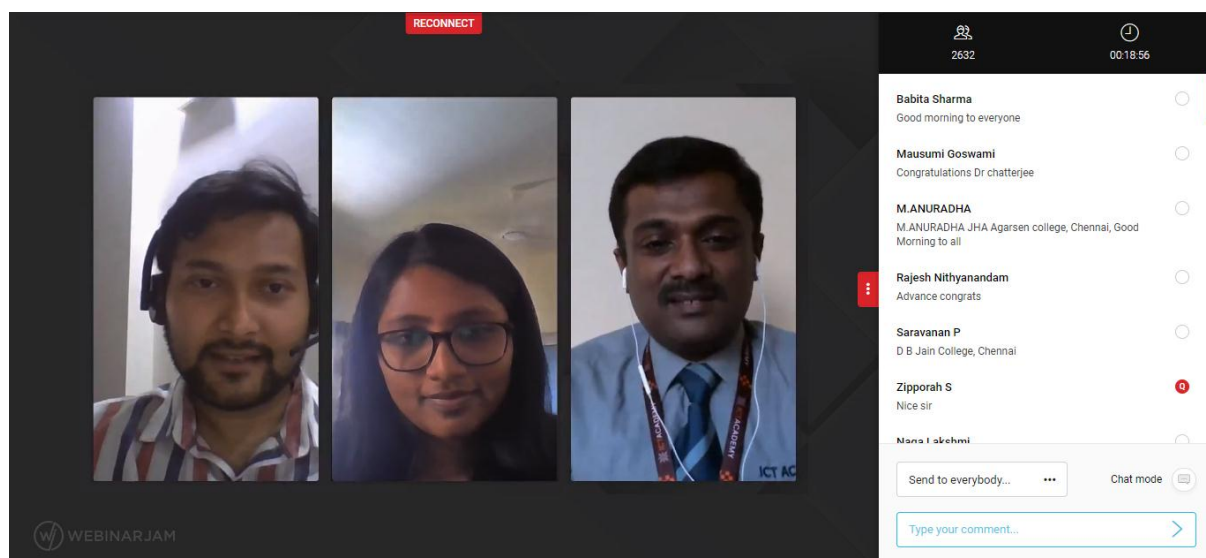


The vision of VMware comes under 3 pillars: 1. Any device 2. Any application 3. Any cloud. To develop a cloud application, a development platform is required. VMware Tanzu is an example. There are different types of cloud environment like private, public and hybrid. There are also Containers and Kubernetes as elements of cloud applications. Containers are the way of packing an application whereas the Kubernetes are container orchestrator. To create an account in cloud, details of organization and virtual space are mandatory. Despite all, nothing is safe in this internet world. All applications are prone to hackers but certain security levels are always built.

SESSION 4: ACCELERATING EXPERIENTIAL LEARNING IN ENGINEERING

SPANDANA GONUGUNTLA & SOUVICK CHATTERJEE, MATHWORKS

13 APRIL 2020, 10:00 AM TO 11: 15 AM



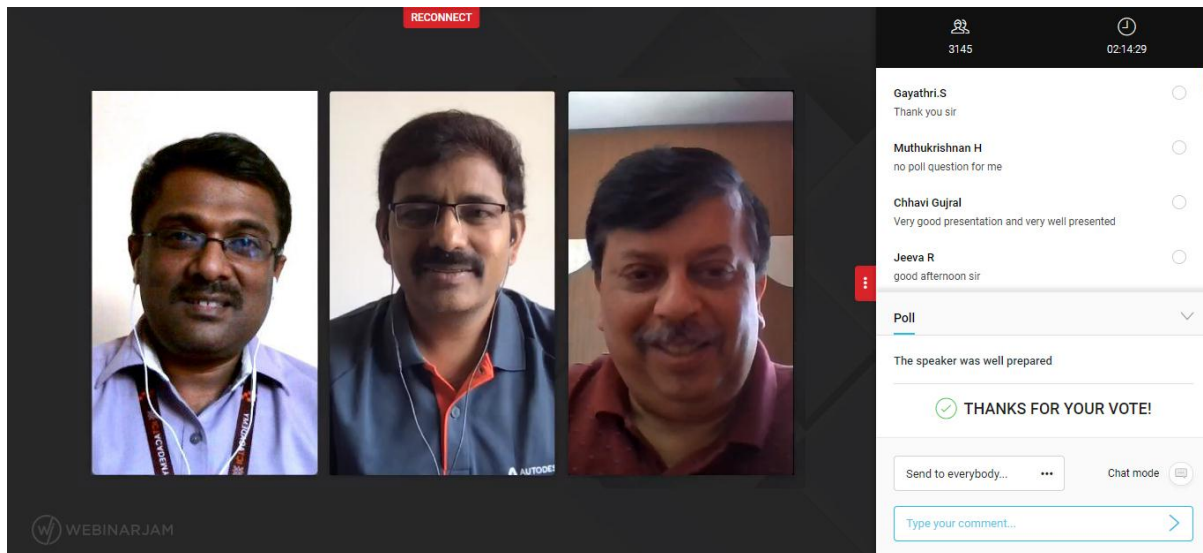
The core products of Mathworks are MATLAB (Matrix Laboratory) and Simulink which focuses on technical computing and simulation of embedded systems respectively. These applications integrate Deep learning, IoT and Data Analytics. These computational tools can also perform functions like assessment of students and engagement of students in education sector.

MATLAB combines a desktop environment tuned for iterative analysis and design processes with a programming language that expresses matrix and array mathematics directly. It includes the Live Editor for creating scripts that combine code, output and formatted text in an executable notebook. When we use MATLAB and Simulink together, we combine textual and graphical programming to design our system in a simulation environment.

SESSION 5: THE FUTURE OF MAKING

ANAND V PUJARI AND DEEPANKAR BHATTACHARYA AUTODESK

14 APRIL 2020, 11:00 AM TO 12: 15 PM



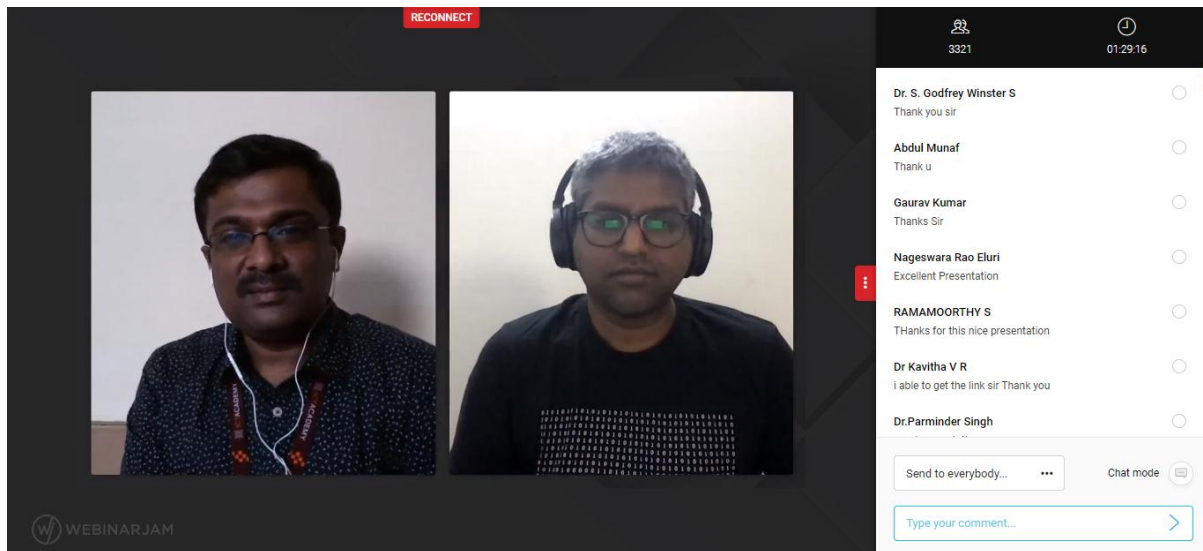
Anand Pujari has said that we need to differentiate ourselves with adoption to latest technologies. We need to build more and more products, which in broader terms called Additive Manufacturing. We need product innovation platforms that turn the data into reality with design being the catalyst. Fusion 360 is an example. Innovation is not restricted to big industries but also applies to micro factories in the context of personalization. The industries have now stepped into the era of connection comparing to era of optimization and era of documentation before with novel concept such as 3D printing. With the era of connection, the physical and digital processes are getting closer besides the data being accessible through any means, getting our things done.

Deepankar Bhattacharya on his side delivered concluding notes with answers for few questions from the participants. He summarized on Autodesk courses, software download procedures, financial terms, etc.

SESSION 6: INTRODUCTION TO AI & ML

DURGAPRASAD KAKARAPARTHI, AMAZON INTERNET SERVICES PVT. LTD.

15 APRIL 2020, 10:00 AM TO 11: 15 AM



We need expertise in machine learning to leverage an organization's capacity. The amazon machine learning stock comprises products and services in different layers, based on categories of users such as developers and researchers. Before applying a machine learning model, an organization needs to be very clear about the business problem. That allows us picking the right model and model framing. The stages of machine learning are Data Collection, Data Integration and Data Visualization. The last critical step is the evaluation, analyzing the effectiveness of the applied model. To sum up, Machine Learning is totally an iterative process and there can be no 100% accuracy. Some of the examples include number plate recognition, weather forecast and facial recognition.

SESSION 7: CYBERSECURITY ESSENTIALS

MURUGAN VASUDEVAN AND ANANTH BS, CISCO SYSTEMS

16 APRIL 2020, 10:00 AM TO 11: 15 AM



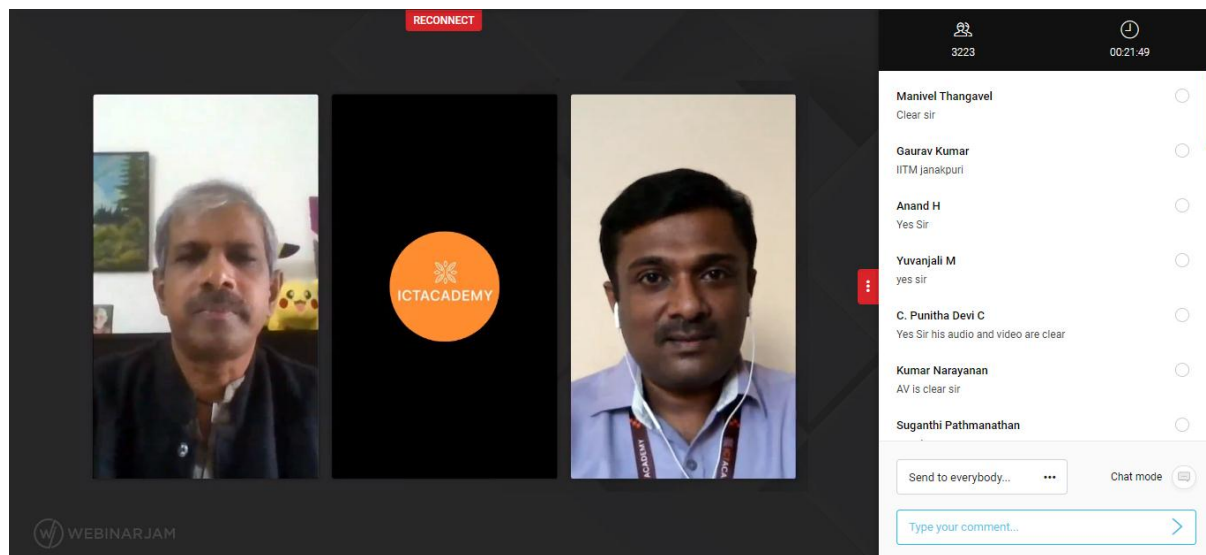
Security is the heart of any networking platform and it is fundamental. A future ready workforce needs awareness on security systems in multiple industries like Healthcare, Banking etc and in-depth knowledge in at-least one industrial system. Concluding with the quote “Between aspiration and action, there is a bridge”, he has also briefed on CISCO’s NetAcad courses.

Security is a buzz word and it will never fade away in terms of technical evolution. The purpose of security is to protect our assets such as employees and software. The types of security can be categorized as Physical and Virtual. It is a process and not a product. There is no 100% security but it can be close to 100%. Finally it is a system which means if one domain of an organization gets attacked; it paves the way for issues in other domains too and an organization needs to be very careful in every assessment.

SESSION 8: DESIGN THINKING - PREPARING THE MIND FOR DISRUPTION

DR ANBU RATHINAVEL, INTELLECT DESIGN ARENA LTD.

17 APRIL 2020, 10:00 AM TO 11: 15 AM

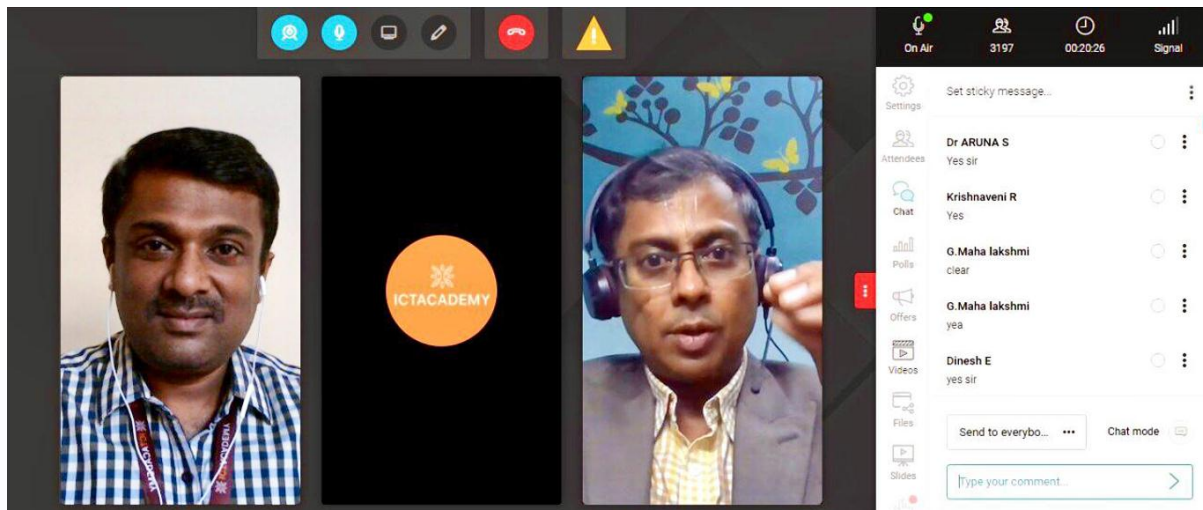


The elements of design are simplicity, experience of an end user, efficiency etc. An example would be Dabbawalas business in Mumbai. Another critical factor is Empathy. The design thinking is always about the person facing the problem and not the problem itself. We can design several things like smart cities, workplaces, etc. Singapore is an example. It all starts with observing patterns and anti-patterns. It needs to connect the dots within and outside when analyzing an issue. We need not to look necessarily look within the domain. An example in education sector would be analyzing how other education institutions are teaching. Breaking the traditional thinking and stepping into disruptive thinking requires shifting the dot from one point to another. Despite that, not all problems need design thinking. A data tells what the problem is but a design analyses why the problem is.

SESSION 9: DIGITAL TRANSFORMATION IN ENTERPRISE

SRIRAM PARTHASARATHY, DXC TECHNOLOGY

18 APRIL 2020, 10:00 AM TO 11: 15 AM



In the context of digital transformation, disruption is enormous. We are in the age of customer centric approach and transformation should be focused on customer experience. Situations like Covid-19 pandemic has not only pushed us faster with digital transformation but also made us understand that transformation is a journey and not a choice. The term “Digital Transformation” is doing business adapting digital technologies that bring in value to the digitally conscious customer. It has two dimensions such as optimization and transformation. The optimization part focuses on reducing gaps in aspects like capacity, revenue, etc. whereas the transformation part focuses on creating new business models, the latter which is more prevalent in developed nations. BMW’s driverless car is an example for transformation.

TESTIMONIALS

DR. S. MALARKKAN, PRINCIPAL, MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY, PUDUCHERRY.

I am very happy to be a part of ICT Academy's Skycampus program. A great initiative and all those sessions were very informative with areas covered such as data science, robotics, cloud, design thinking, etc. From our institute, I ensured that every faculty is part of this wonderful program.

MS LINGESWARI, ASSISTANT PROFESSOR, PSR ENGINEERING COLLEGE, SIVAKASI

On attending the session "Cybersecurity Essentials", I got the opportunity to learn about the need of security and data protection processes, demonstrated by speakers. The presentation is good and really a great opportunity to learn during this lockdown times.

PROF. RAJAN, PRINCIPAL, ST. MARY'S COLLEGE, UDUPI, KARNATAKA.

I participated in the Session "RPA Basics and Beyond" by Arjun Meda. It is an eye-opener and the possibilities of RPA is enormous and it's going to be big game changer in the IT/ITeS industry. ICT Academy has made wonderful contribution through this one of the best online initiative.

DR SUPREET KAUR SAHI, HEAD (R&D), SRI GURU TEGH BAHADHUR INSTITUTE OF MANAGEMENT AND IT, DELHI.

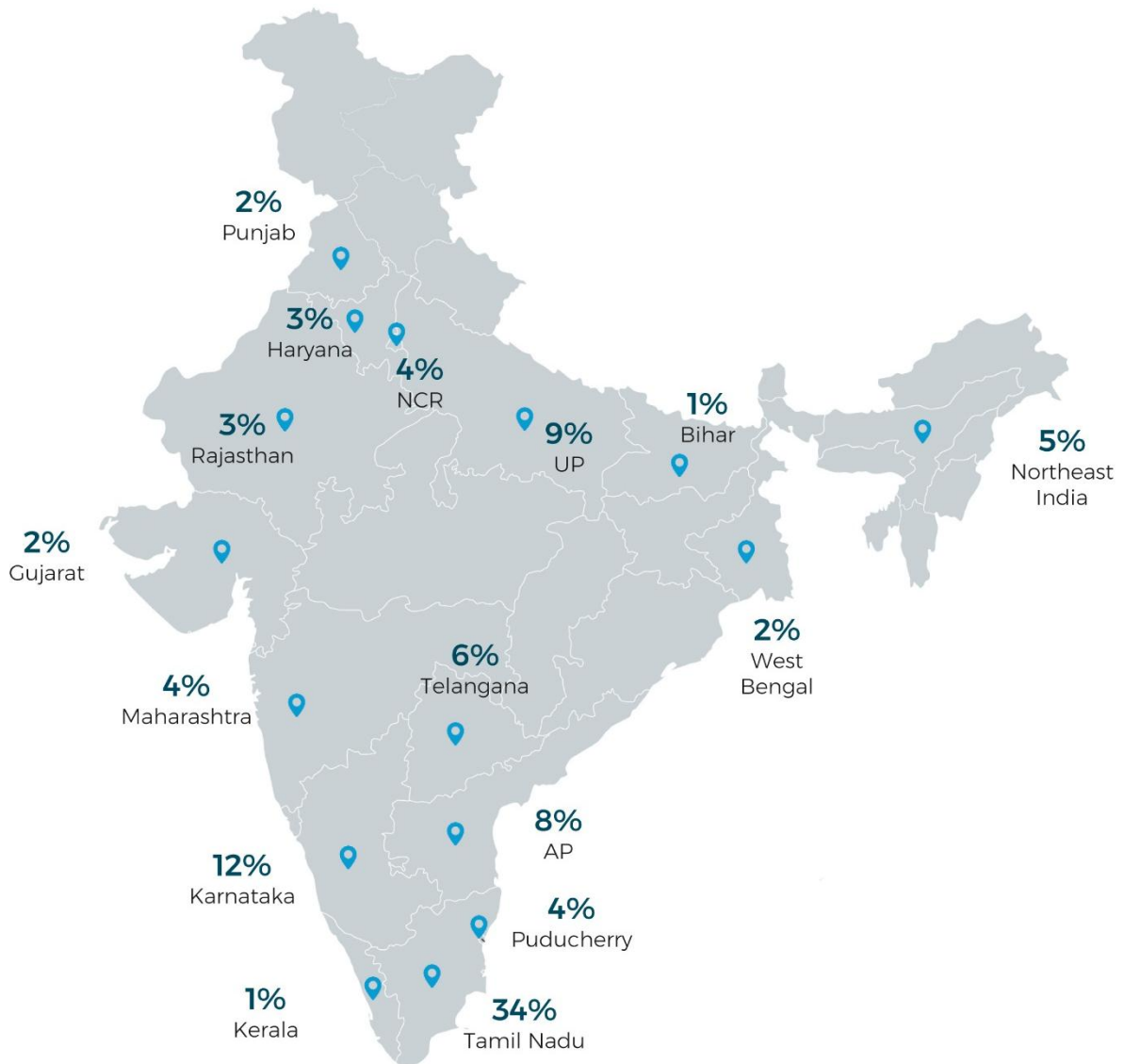
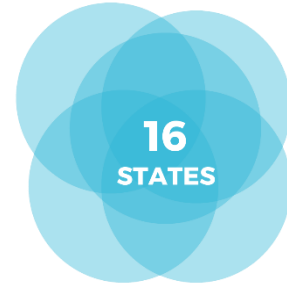
I have participated in 3 sessions and they are very good and insightful. The sessions really built leads to our institute's areas of research. It's very motivating and looking forward for more such sessions in future.

DR. SOPHIA, LADY DOAK COLLEGE, MADURAI.

I participated in "Cybersecurity Session" by Ananth from CISCO. It's a wonderful opportunity during lockdown period which clearly shows that there is no lockdown for knowledge updation.

PARTICIPANTS STATE-WISE SPLIT-UP

TECHNOLOGY FOR FUTURE – 09 APRIL – 18 APRIL 2020



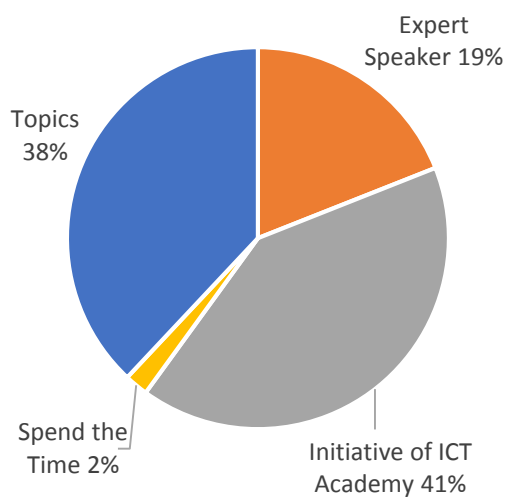
PARTICIPANTS PROFILE SPLIT-UP

TECHNOLOGY FOR FUTURE – 09 APRIL – 18 APRIL 2020

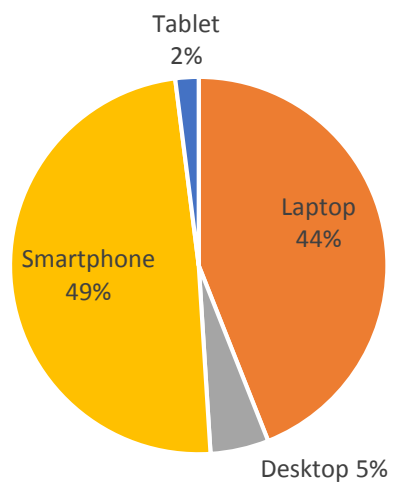


FEEDBACK ANALYSIS

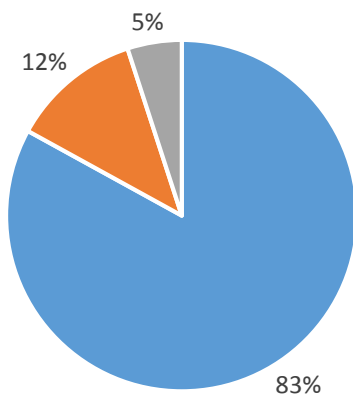
Why Chose to Attend Digital Knowledge Series Season 1



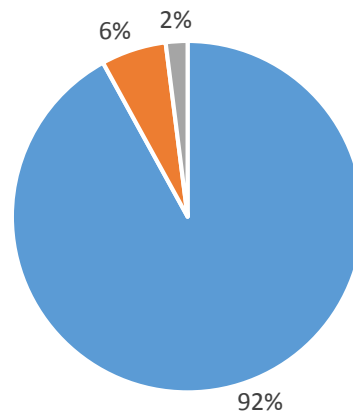
Medium of Access



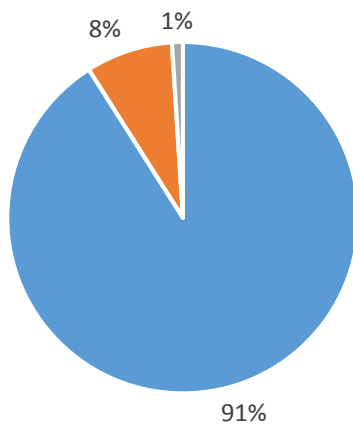
Content is Relevant



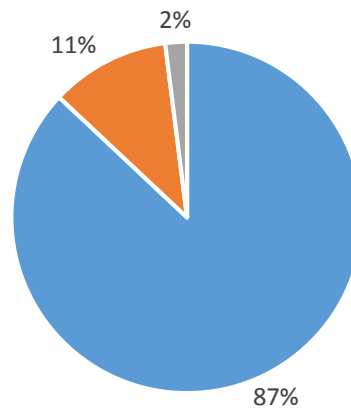
Speaker Presentation is Good



Speaker Concerned About Audience Understanding



Likely to Attend another Season

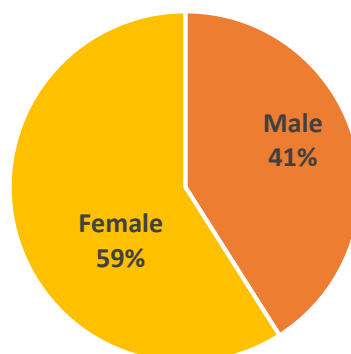


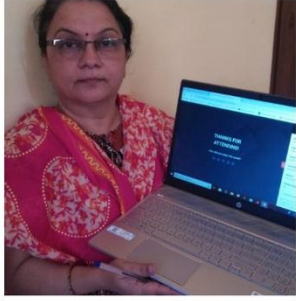
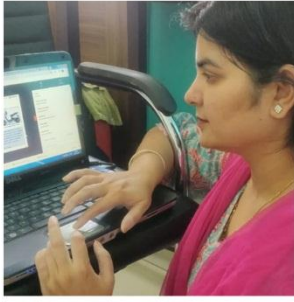
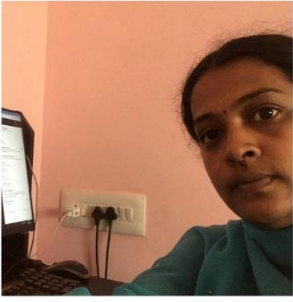
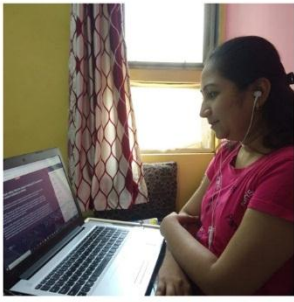
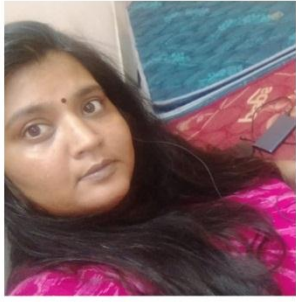
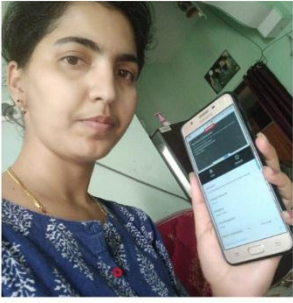
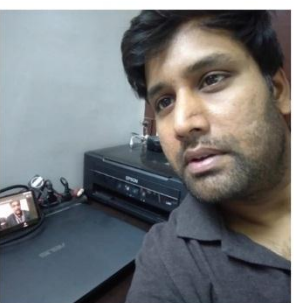
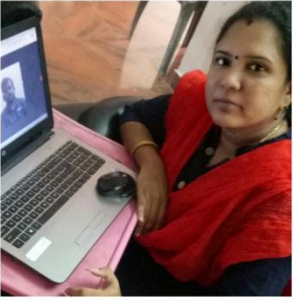
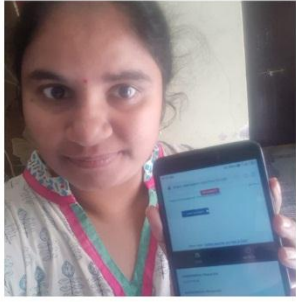
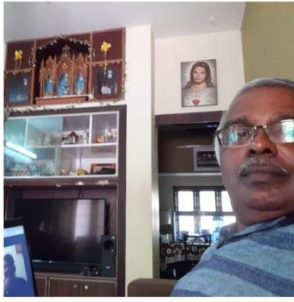
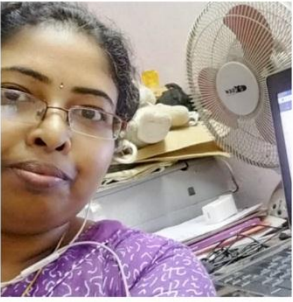
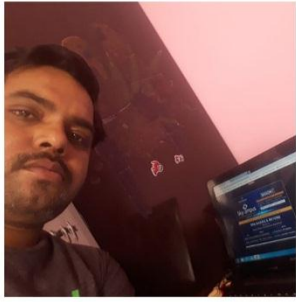
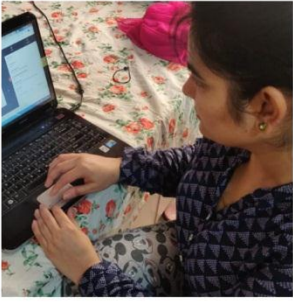
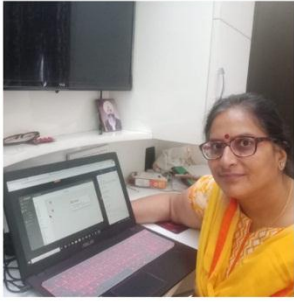
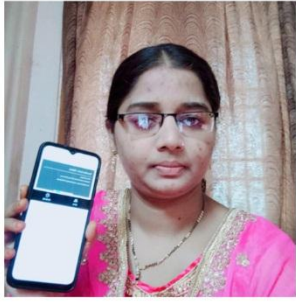
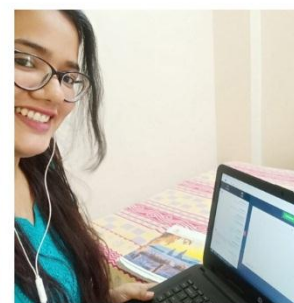
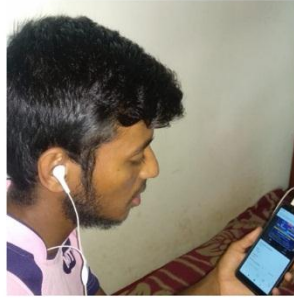
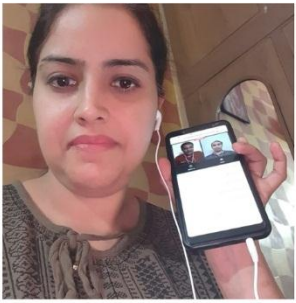
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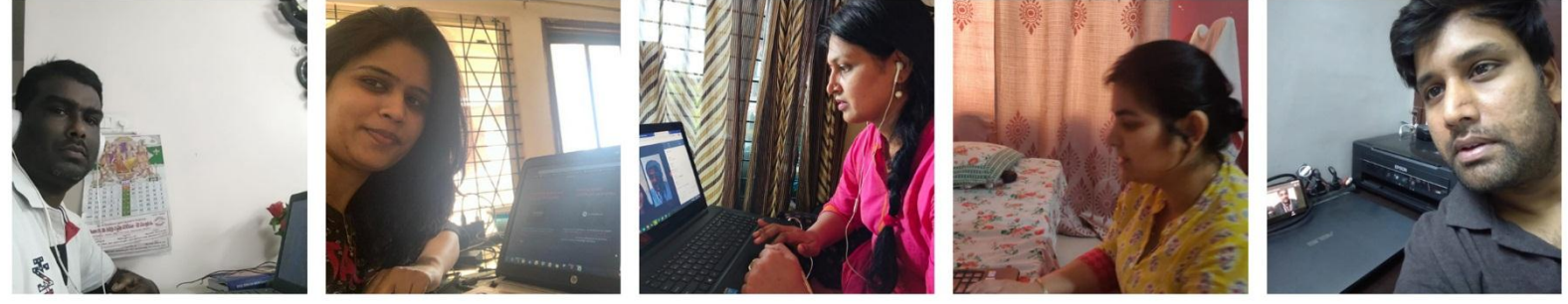
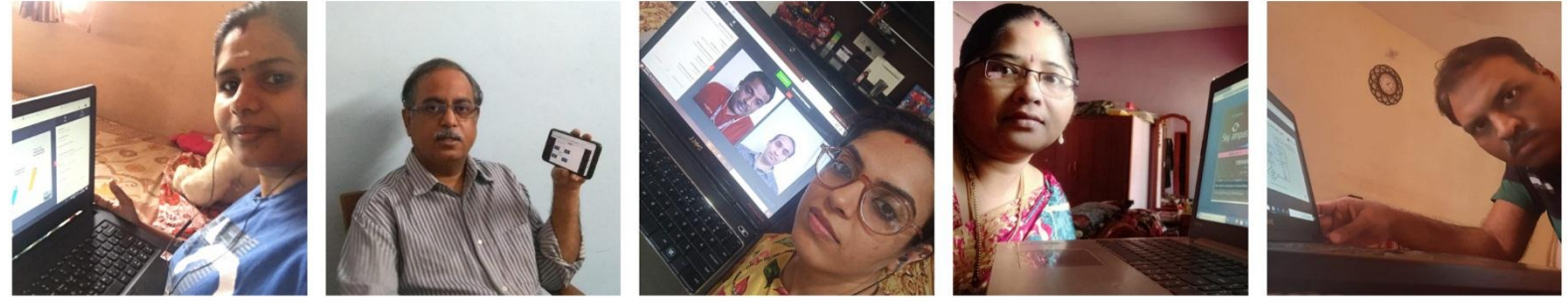
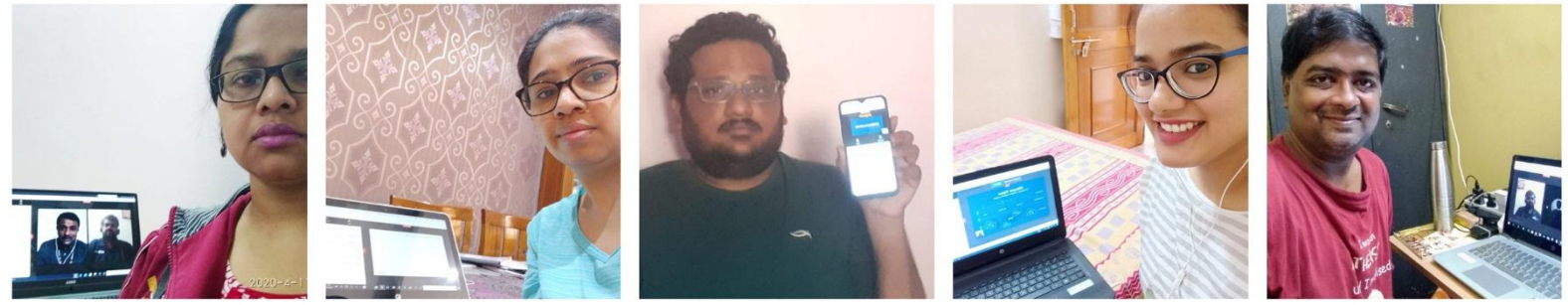
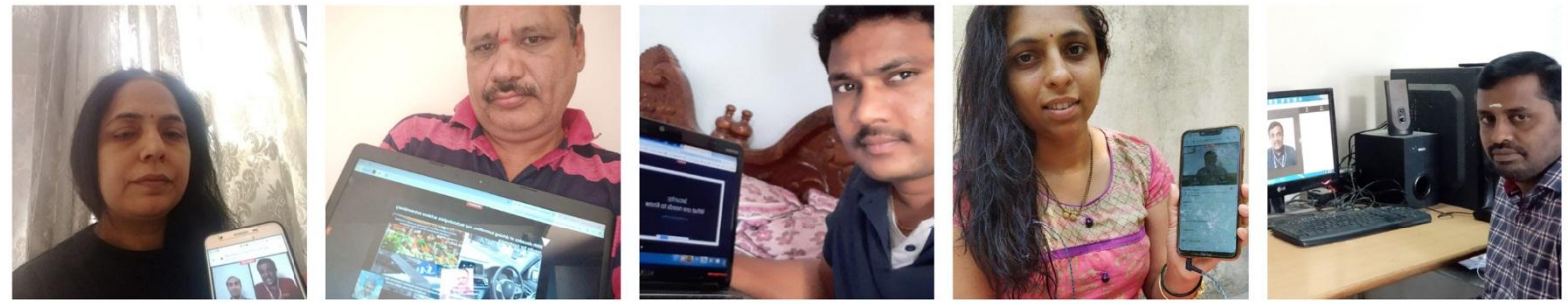
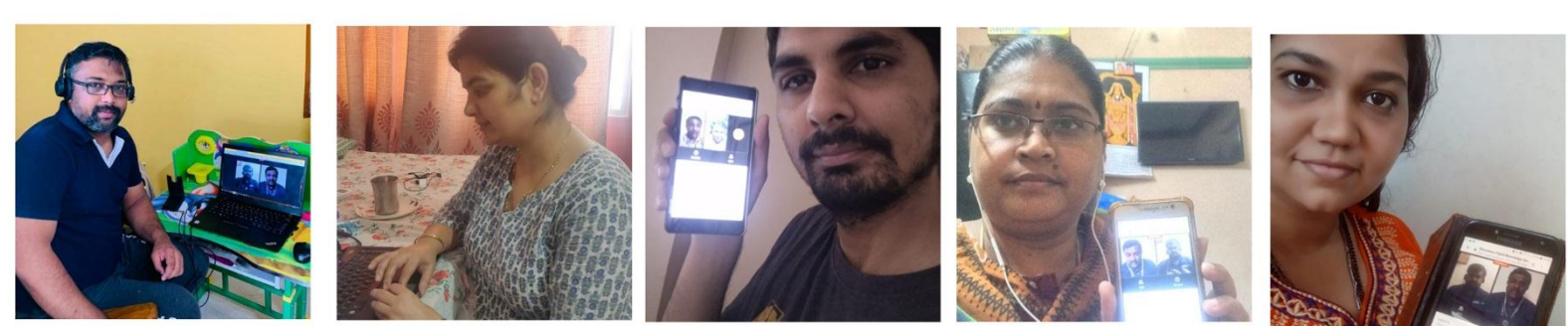
Neutral

Disagree

PARTICIPANTS GENDER RATIO







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**All session videos are available at
<https://youtube.com/ictacademyindia>**

contact@ictacademy.in

www.ictacademy.in/skycampus