



REPORT OF WEBINAR

Technology Trends in 2021 and Career Opportunities

Organized by TechPioneers, Computer Science Society

Aryabhatta College

Abstract

TechPioneers organized a webinar on “**Technology Trends in 2021 and Career Opportunities**” on 8th April 2021. The guest speaker for the webinar was Mr. Jatinder Bansal, a highly experienced IT professional and Asia CIO of Siegwerk.

WEBINAR ON TECHNOLOGY TRENDS IN 2021 AND CAREER OPPORTUNITIES

(8th April, 2021)

TechPioneers, the Computer Science Society of Aryabhatta College successfully organized an interactive webinar on “Technology Trends in 2021 and Career Opportunities” on 8th April 2021

The guest speaker for the session was Mr. Jatinder Bansal, a well-known IT professional and an expert in business and IT consulting. It was a very informative webinar as Mr. Jatinder enlightened the audience with a wide range of topics such as Internet of Things, AI automation, cyber security, mixed reality etc. The webinar began with a word of appreciation by the respected Principal, Prof. Manoj Sinha. The session saw an overwhelming response from I year, II year and III-year students of the department. A total of 74 students and some faculty participated in the session.

Objective

A lot more has changed this year due to the pandemic, making professionals realize that their role will not stay the same in the contactless world tomorrow. The webinar was aimed at gaining insight into the latest technology trends and related career opportunities.

The Speaker

Jatinder Bansal is a highly motivated and dynamic technology leader who has successfully led IT, digitalization and business transformation programs supporting cross-functional teams. He currently holds the position of Asia Chief Information Officer (CIO) at Seigwerk. His cross-industry experience includes business and IT consulting, renewable

energy, consumer durables and manufacturing. He also has a strong experience with startups, global organizations and great knowledge about the corporate world.

Summary of the Webinar

The speaker started the session by providing an insight about some key statistics concerned with the IT industry and major technology trends that have took the world by storm in the year 2021. Main areas which were emphasized upon include - advanced analytics, IoT, AI, robotics, VR and AR, mixed reality. Mr. Bansal emphasized the role of IT in business and other industries. Furthermore, the students learned about the vast number of careers opportunities in these fields. A few of them are: data scientist, data analyst, cloud architect, full stack developer, product manager and cyber security specialist.

Mr. Jatinder Bansal guided the audience with his knowledge in the field of technology and instructed students in how they can build a successful career by exploring the fields which are highly popular among tech enthusiasts. The key topics discussed by him were as follows:

- 92% of the world's currency is digital while 44% of businesses are up for digital transformation.
- Number of IoT devices expected to reach 75 billion by 2025.
- Advanced analytics and the role of data scientist and data analyst.
- Artificial intelligence, machine learning and deep learning.
- Foundation and future of Internet of Things.
- Robotics process automation.
- Cyber Security- Challenges with digitalization.
- Career opportunities, skill set required and responsibilities associated with them.

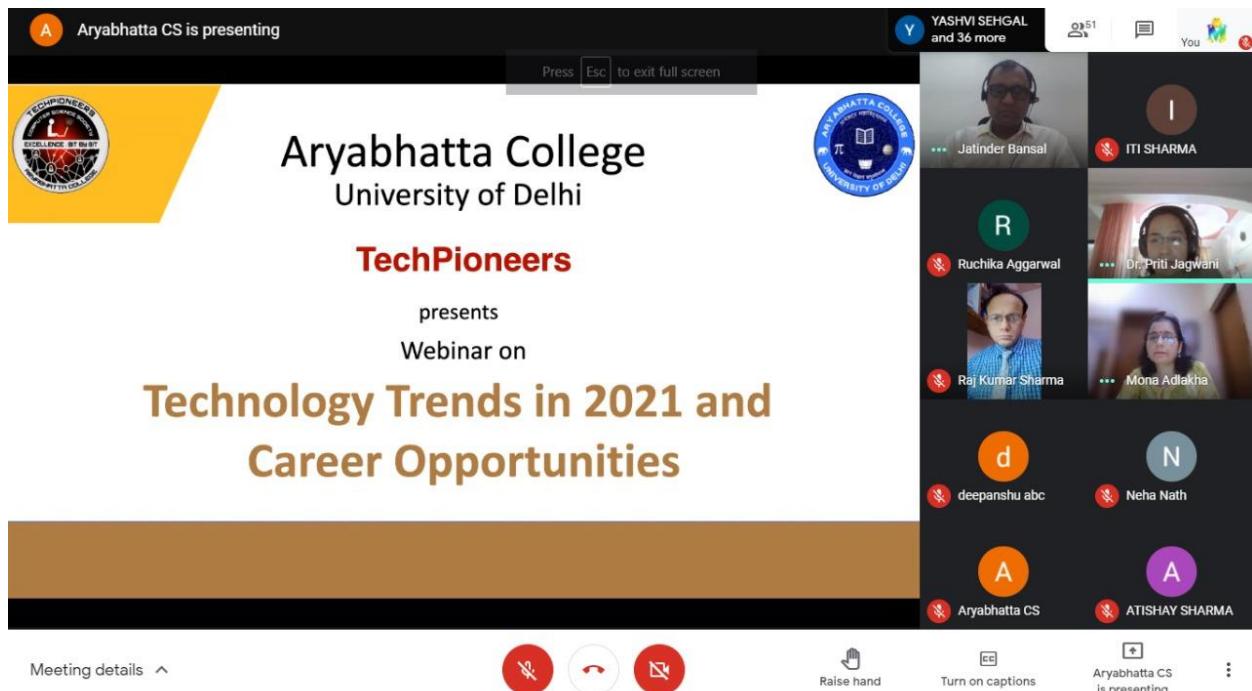
The webinar concluded with a quick Q&A session. Some of the major questions asked were as follows:

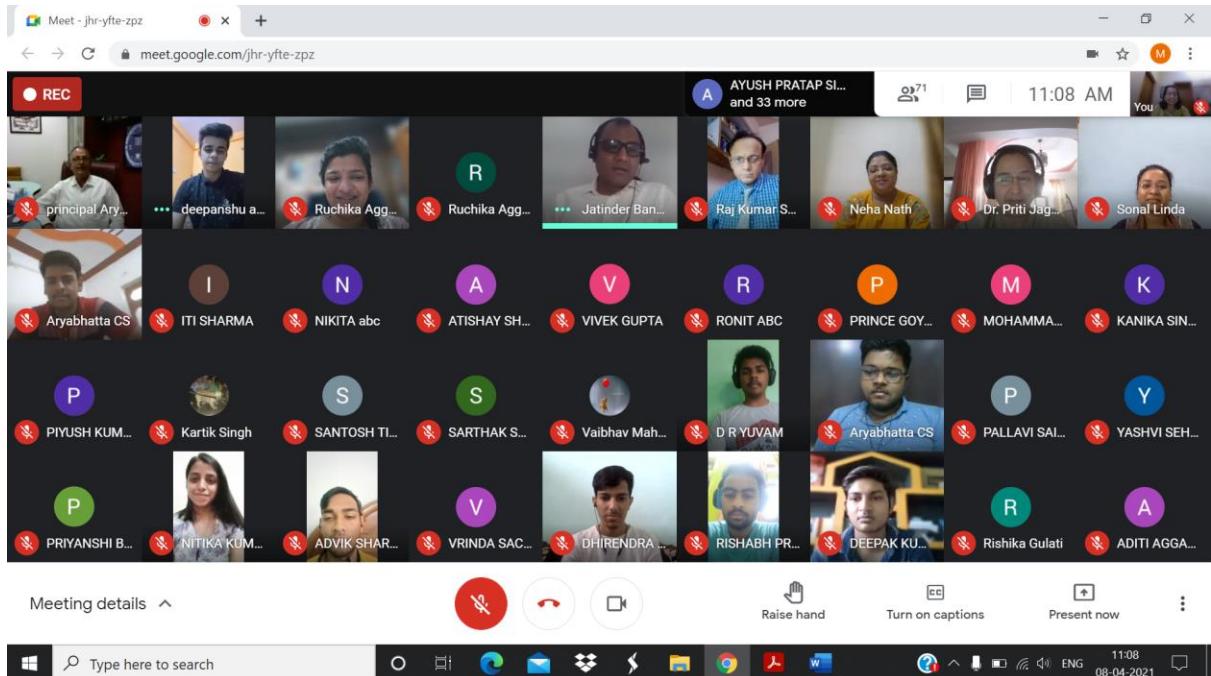
- “Which programming language is suitable to start with - Python or R?”
- “What is the scope of digital marketing in the future?”

- “Which job profiles require a professional certification?”
- “What kinds of technologies pose cyber security threats?”
- “What are the truths and myths about robotic process automation?”

Hence, it was a really knowledgeable and interesting session. All the students and teachers thanked Mr. Jatinder Bansal for inspiring everyone. The society looks forward to conducting more such webinars in the future.

GLIMPSES FROM THE WEBINAR





A screenshot of a Google Meet session titled "Webinar on Technology Trends in 2021 and Career Opportunities". The host, Jatinder Bansal, is presenting. The slide displays a diagram titled "ADVANCED ANALYTICS: Transforming Insights into Action" from Gartner. The diagram illustrates the "Analytics Adoption Journey" as a 2x2 matrix based on "VALUE" (Y-axis) and "DIFFICULTY" (X-axis). The quadrants are: Data Analyst (top-left, low value, low difficulty), Data Scientist (top-right, high value, high difficulty), Prescriptive (middle-right, high value, medium difficulty), and Diagnostic (bottom-left, low value, medium difficulty). A callout box highlights "Artificial Intelligence" and "Machine Learning" under the Data Scientist quadrant. The bottom of the slide notes "Source - Gartner". The interface shows a grid of participants with initials and a taskbar at the bottom.

REC Jatinder Bansal is presenting

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CARRIER OPPORTUNITIES

Roles	Skill Set	Roles and Responsibilities
Data Scientist	ML Algorithms Data Modeling Coding – Python, R	Analyse and interpret complex information to facilitate better business decisions
Data Analyst	Ability to Analyse, Model & interpret data Programming languages like SQL, Oracle Methodological and logical approach	
Cloud Architect	Amazon Web Services Azure Stakeholder Management	Supervise cloud computing strategy and coordinate with different teams to ensure correct implementations
IoT Solution Architect	Programming Hardware Design and Architecture	Play a leadership role in strategy-making and overseeing the deployment of IoT solutions. Participate in Design related activities.
Full Stack Developer	Mongo DB, Angular Coding, Scripting, Developing API Web Development Fundamentals Agile Methodology	Manage every stage of development including frontend and backend. Design and build API's keeping code integrity and data security intact.
Product Manager	Product lifecycle management Project Management tools (Jira, etc) Time mgmt, Problem solving skills	Role begins from product conception till product launch and continuous improvement. Determining operative plan, assign team members, set timelines etc.
Cyber Security Specialist	Problem solving skills Firewall/IDS/IPS, APT, MDM, IDAM, SIEM App Security Development	Protecting information systems from hacking, viruses, malware, phishing, and other cyber attacks. Define and implement security programs across organization.

Important Success Criteria: Attitude, Flexibility to learn and adapt, Enjoy what you do or assigned to

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Meeting details ^

Jatinder Bansal

IRVENTI BHARATH... deepanshu abc

Raj Kumar Sharma BHAWNA SHUKLA

Aryabhatta CS

Mona Adlakha Ruchika Aggarwal

Jatinder Bansal Dr. Priti Jagwani

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