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.

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GLIMPSES FROM THE WEBINAR

Aryabhatta College
University of Delhi

TechPioneers
presents
Webinar on
Technology Trends in 2021 and Career Opportunities
VIRTUAL, AUGMENTED AND MIXED REALITY

Virtual Reality
- VR Games
- Training Simulations
- Practice Surgeries/Procedures

Augmented Reality
- Toyota’s shopping experience
- Youtube Beauty try-on

Mixed Reality
- Microsoft Hololens
- Google Glass

CARRIER OPPORTUNITIES

<table>
<thead>
<tr>
<th>Roles</th>
<th>Skill Set</th>
<th>Roles and Responsibilities</th>
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<tbody>
<tr>
<td>Data Scientist</td>
<td>ML, Algorithm, Data Modeling</td>
<td>Analyze and integrate complex information to facilitate better business decisions</td>
</tr>
<tr>
<td>Data Analyst</td>
<td>Coding, Python, SQL</td>
<td>Develop and maintain complex data systems using SQL and advanced programming techniques</td>
</tr>
<tr>
<td>Cloud Architect</td>
<td>Java, Web Services, Agile, Stakeholder Management</td>
<td>Manage cloud computing strategy and coordinate with different teams to ensure correct implementation</td>
</tr>
<tr>
<td>IoT Solution Architect</td>
<td>Programming, Hardware Design and Architecture</td>
<td>Play a leadership role in strategy execution and overseeing the deployment of IoT solutions</td>
</tr>
<tr>
<td>Full Stack Developer</td>
<td>JavaScript, Angular, Coding</td>
<td>Participate in Design related activities</td>
</tr>
<tr>
<td>Product Manager</td>
<td>Project Management, Agile Processing</td>
<td>Manage every stage of development including front-end and backend. Design and build API’s keeping code integrity and data security in view.</td>
</tr>
<tr>
<td>Cyber Security Specialist</td>
<td>Firewall/IDS/IPS, APT, MDR, EASM, SEM</td>
<td>Protect information systems from hacking, viruses, malware, phishing, and other cyber attacks</td>
</tr>
</tbody>
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Important Success Criteria: Attitude. Flexibility to learn and adapt. Enjoy what you do or assigned to.