

**Quantum University, Roorkee**  
**(Quantum University Incubator)**



**Annual Report**  
**Of**  
**Quantum University Innovation Council (QUIC)**  
**Session: 2019-2020**

  
Registrar  
Quantum University

Detailed Reports of Workshops/Seminars/Expert Talk/Exhibition  
conducted on Research Methodology, Intellectual Property Rights (IPR),  
Entrepreneurship, Skill Development and Transfer of Technology

Sr. No.	Name of the Events	Date	Nature of Activity
1.	Workshop on “Campus to Corporate, MBA with international exposure”	09/10/2019	Entrepreneurship/ Skill Development
2.	Expert Talk on “Programming in Python”	09/21/2019	Skill Development
3.	Workshop on “Introduction to Animation Production Pipeline”	09/26/2019	Skill Development
4.	Group Discussion on the topic "GST is Good or Bad for the economy".	09/24/2019	Skill Development
5.	Quantum Finance Conclave	10/15/2019 to 10/16/2019	Entrepreneurship/ Skill Development
6.	Expert Talk on “Retail Management”	10/18/2019	Skill Development
7.	Expert Talk on “Micro to Nano Electronics II (Spintronics)”	10/12/2019	Skill Development
8.	Workshop on “Fabrication Techniques & Industrial Safety”	10/21/2019 to 10/23/2019	Skill Development
9.	Expert Talk on “Well Logging Techniques”	11/07/2019	Skill Development
10.	Expert Talk on “Future of Quantity Surveyor”	11/13/2019	Research Methodology/ Skill Development
11.	Workshop on ‘Innovative Design: Ideation to Realization’	11/13/2019	Entrepreneurship/ Skill Development
12.	Workshop on “Robotics”	11/15/2019 to 11/16/2019	Skill Development
13.	Expert Talk on “Entrepreneurship in India: Challenges and Prospects”	11/16/2019	Entrepreneurship
14.	Workshop on “Chatbot Marketing”	11/27/2019	Skill Development
15.	Expert Talk on “Research and academic possibilities after graduation in science”	12/02/2019	Research Methodology
16.	Expert Talk on “Current and Future trends in 5G Technology”	01/30/2020	Skill Development
17.	Workshop on “Web Designing”	02/04/2020	Skill Development
18.	Entrepreneurship Meet on “Unnati Startup and Entrepreneurship Knowledge Series”	02/08/2019	Entrepreneurship
19.	Workshop on “Digital Marketing”	02/12/2020	Skill Development
20.	Expert Talk on “Agricultural Business Management (ABM)”	02/18/2020	Entrepreneurship
21.	Workshop on “Industrial Automation”	02/24/2020	Skill Development

22.	Expert Talk on "Artificial Intelligence and Machine Learning using Mathematics"	02/27/2020	Skill Development
23	Startups Nurtured in Quantum University	Ongoing Activity	Handholding Support

  
Registrar  
Quantum University

## **1. Workshop on “Campus to Corporate, MBA with international exposure”**

The Workshop on “Campus to Corporate, MBA with international exposure” was held on **10<sup>th</sup> September 2019** at Quantum University by Faculty of Graduate Studies in association with **Institutional Innovation Council** for **BBA, MBA final year and B.COM 2<sup>nd</sup> year students**. The program was led by **Mr. Rajveer Yadav** and **Dr. Rachit Agarwal** from **United Resourcing Service Pvt. Ltd.**

The workshop was aimed to **provide valuable insights and practical guidance to MBA students transitioning from the academic environment to the corporate world**. The workshop emphasized the importance of international exposure during an MBA program and its impact on career growth. **Mr. Rajveer Yadav** began the session with an overview of the current corporate landscape, including emerging trends, challenges, and opportunities. It highlighted the skills and competencies required for success in the corporate world. He further emphasized the significance of gaining international exposure during an MBA program. **Dr. Rachit Agarwal** highlighted the importance of networking and provided practical tips on how to establish and nurture relationships with professionals from different parts of the world. He further addressed the importance of cross-cultural competence in today's globalized business environment.

Overall, the workshop provided participants with a comprehensive understanding of the corporate world and the significance of international exposure during an MBA program. It equipped participants with the knowledge, skills, and resources to make a successful transition from the campus to the corporate environment. The workshop received positive feedback from participants who appreciated the practical insights and networking opportunities provided.

## Photos of the Event



**Welcome Ceremony and Felicitation of the Guests**



**Facilitator addressing the attendees**



**Participatory Interactive Hands on Training**





Positive Feedback from the students

## 2. Expert Talk on “Programming in Python”

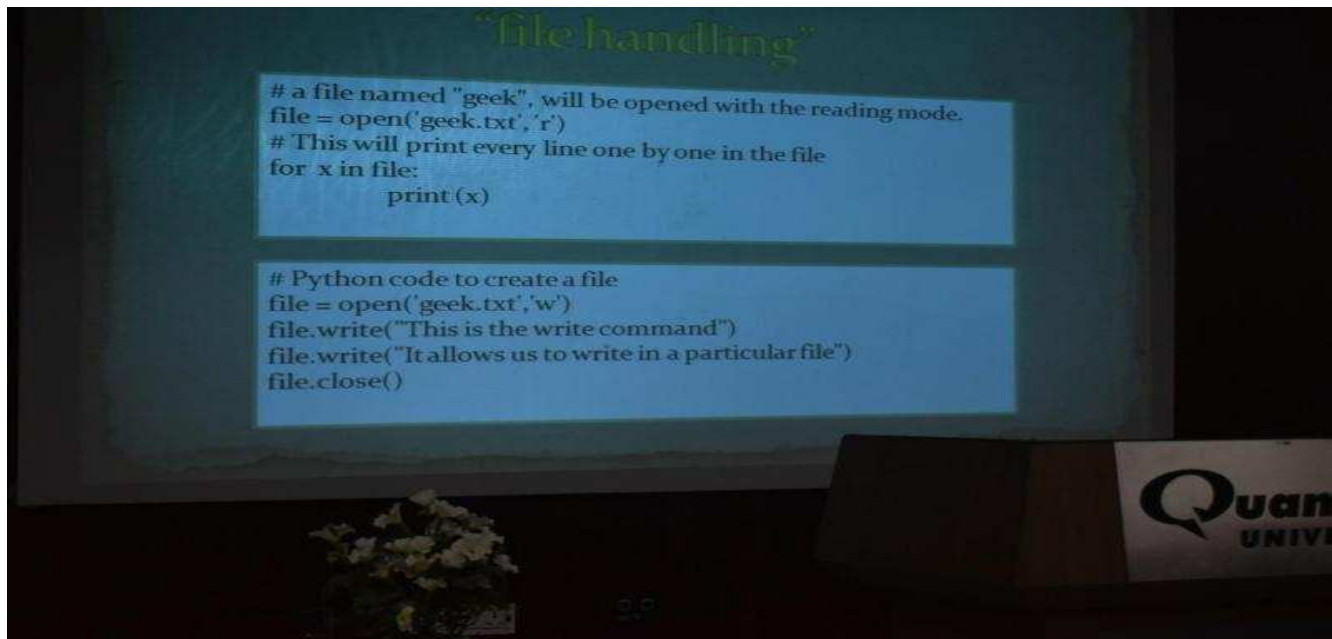
The Expert Talk on “Programming in Python” was held on **21<sup>st</sup> September 2019** at Quantum University by Department of Technology in association with **Institutional Innovational Council** for **B.Tech and BCA 1<sup>st</sup> & 2<sup>nd</sup> year students**. The program was led by **Mr. Rakesh Prajapati (H.O.D- Computer, Asha Modern Grp. of Schools)**.

The expert talk **aimed to provide participants with a comprehensive understanding of the Python programming language**. The talk focused on the fundamental concepts of Python, its features, and practical applications.

**Mr. Rakesh Prajapati** began with an overview of Python as a programming language, highlighting its simplicity, versatility, and popularity. The basic syntax and structure of Python were explained, including variables, data types, control structures, and functions. The talk explored the wide range of libraries and frameworks available in Python that enable developers to build various applications. He further demonstrated the differences between the code in Python and other programming languages for the same task. He also taught the students about XML and MS Excel (Micros).

The expert talk on "Programming in Python" **provided participants with a comprehensive overview of Python programming language and its applications**. Students gained a solid understanding of Python's syntax, features, and the various libraries and frameworks available. The practical examples and case studies offered insights into real-world applications of Python. The talk was well-received by participants, who expressed their appreciation for the clarity of the presentation and the relevance of the topics covered.

## Photos of the Event







**Speaker providing participants with a comprehensive overview of Python programming language and its applications**

### 3. Workshop on “Introduction to Animation Production Pipeline”

The Expert Talk on “Programming in Python” was held on **21<sup>st</sup> September 2019** at Quantum University by Department of Media Studies & Design in association with **Institutional Innovational Council** for **14 students**. The program was facilitated by **Mr. Arun Kumar Dyundi** (Industrial Expert, 15 years of experience in the Animation Industry as a 3d animator and VFX artist).

**Mr. Arun** started the workshop with the introduction of frame rate used in the industry for film, gaming and television. He also explained the entire Production Pipeline in detail explaining the different production levels that filters and develops a story idea into an entire film. The workshop ended with 100% positive reviews from the students.

#### Photos of the Event



**Welcome Address and Felicitation of the Guest**







**Facilitator addressing the students “Animation Production Pipeline”**

#### 4. Quantum Finance Conclave

The two days ``Quantum Finance Conclave’’ was held on **15<sup>th</sup> September 2019** to **16<sup>th</sup> September 2019** at Quantum University (Shyamji Auditorium) by Department of Business & Administration in association with **Institutional Innovational Council** for **B.Com and BBA 1<sup>st</sup> Year students** with the total strength of **200 attendees**. The program was facilitated by **Mr. Rajiv Jain** (Managing Director, JPT Technology).

The conclave started with a keynote speech from a prominent finance expert **Mr. Rajiv Jain** who shared insights on the current state of the finance industry, emerging trends, and the impact of digitalization on finance practices. The conclave featured several students’ panel discussions on various finance-related topics. The conclave offered workshops and skill development sessions to enhance students' knowledge and skills in specific areas of finance. These sessions covered topics like financial modeling, data analysis, portfolio management, and investment strategies. The conclave included presentations of real-life case studies that showcased innovative financial solutions and successful finance-related projects.

Students gained insights into practical applications of finance principles and strategies. They had utilized the opportunity to network with industry professionals, experts, and fellow attendees. Networking sessions facilitated meaningful connections, collaboration, and the exchange of ideas. Students expressed their satisfaction with the quality of discussions and the relevance of the topics covered, making the Finance Conclave a valuable event for anyone interested in the finance sector. The conclave successfully facilitated knowledge sharing, networking, and career development opportunities.



## Photos of the Event



**Welcome Ceremony and Felicitation of the Guest**



**Students' panel discussions on various finance-related topics**

6/15/23, 1:17 PM

Quantum University Mail - Invitation For Finance Conclave Event



Vice Chancellor <vicechancellor@quantumuniversity.edu.in>

## Invitation For Finance Conclave Event

1 message

ayushibalyan9 <ayushibalyan9@gmail.com>  
To: vicechancellor@quantumuniversity.edu.in

Mon, Oct 14, 2019 at 3:53 PM

### INVITATION

#### **Subject : Quantum Finance Conclave.**

**14<sup>th</sup> Oct., 2019**

We want to invite you as chairperson. We are pleased to inform you that QUANTUM FINANCE CONCLAVE is being organized by Faculty of Business & Management on 15-16 October, 2019. The Schedule of the event is as under:-

#### Topics

- Merging strategies for banking organization is relevant for restructuring banking economy.
- Industrial Promotion through restructuring corporate tax.
- Role of effective financial planning for new entrepreneur.
- Bankruptcy is the biggest challenges for Indian Industries growth
- Government initiatives for slow down the impact of recession on Indian economy.

#### Guest speakers

- Mr. Rajeev Jain ( MD, RPJ Technologies Pvt.Ltd., Visiting faculty of IGNOU)
- Mr. Rohit Sharma ( Practicing CA and CS)

#### Activities involved:

- Projects working & Evaluation
- Presentations
- Panel discussion
- Debate

#### Event Organizers:

- Dr.Amit Saini, Mr.Lehri Singh Chauhan, and B-COM-IIInd year students
- (Ayushi Baliyan, Abdul Raziq, Manisha Salal, Asha Pandey)

#### Outcome of the activity:

- Financial Awareness
- Knowledge on tax restructuring and its impact on Indian industries
- Building confidence in Financial perspective
- Development of Financial professionalism.

Participants: B-COM (All) and BBA (1<sup>st</sup> Year)

Venue: Shyamji Auditorium on 15<sup>th</sup> & 16<sup>th</sup> October, 2019.

Sent from my Samsung Galaxy smartphone.

## 5. Expert Talk on “Retail Management”

The Expert Talk on “Retail Management” was held on **18<sup>th</sup> September 2019** at Quantum University (Shyamji Auditorium) by the Department of Business & Administration in association with the Institutional **Innovational Council** for **MBA 1st Year & 2nd Year students** with the total strength of **55 attendees**. The program was coordinated by **Dr. Sachin Chauhan** facilitated by **Mr. Sumit Singh** (Vishal Mega Mart, Haridwar).

The expert talk was aimed to **provide participants with a comprehensive understanding of the principles, strategies, and challenges involved in managing a successful retail business**. **Mr Sumit Singh's talk** was focused on key aspects such as customer experience, merchandising, inventory management, and emerging trends in the retail industry. Participants gained insights into how these technologies can be leveraged to enhance retail. The talk successfully addressed the key aspects of retail management and highlighted the importance of adapting to changing consumer preferences and technological advancements.

### Photos of the Event



Felicitation of the Speaker





**Speaker facilitating the students on Retail Management**

## 6. Workshop on “Cloud Literacy” IEEE Day Celebrations.

The Workshop on “Cloud Literacy ” IEEE Day Celebrations was held on **12<sup>th</sup> October 2019** by **IEEE student branch, Quantum University** in association with **Institutional Innovational Council** for all **technical courses** with a total strength of **20 attendees**. The program was coordinated by **Mrs. Jaspreet Srivastava and Mr. Raunak Gupta** facilitated by **Dr. Gulshan Chauhan** (Director, Faculty of Technology).

The Workshop was aimed to **promote understanding and awareness of cloud computing among participants**. It focused on providing insights into cloud computing concepts, its applications, benefits, and challenges, and equipping participants with the necessary knowledge to leverage cloud technologies effectively.

The Workshop started with a keynote speech from **Dr. Gulshan Chauhan**, who provided an overview of the current state of cloud technology and its impact on various industries. He highlighted the importance of cloud literacy in today's digital age. He further provided a comprehensive introduction to cloud computing, covering the fundamental concepts and principles. Students learned about the different deployment models (public, private, hybrid), service models (IaaS, PaaS, SaaS), and the underlying infrastructure that powers cloud computing. The symposium showcased various applications and use cases of cloud computing across industries. Students gained insights into how cloud technology is transforming businesses, enabling scalability, cost-efficiency, and flexibility. Examples included cloud storage, software development platforms, and data analytics.

**Mrs. Jaspreet Srivastava** addressed the concerns to challenges related to security and privacy in cloud computing. **Dr. Gulshan Chauhan** explained to her about security measures, encryption techniques, and best practices for ensuring data protection in the cloud. The Workshop featured presentations from leading cloud service providers, who shared information about their offerings and solutions. Students gained exposure to different cloud platforms, tools, and services available in the market, helping them understand the options for their specific needs.



The Workshop successfully achieved its objective of promoting cloud literacy among participants. Attendees gained valuable insights into the potential benefits of cloud computing, security considerations, migration strategies, and industry best practices.

### Photos of the Event



### Welcome Address and Introduction of the Guests



## 7. Expert Talk on “Micro to Nano Electronics II (Spintronics)”

The Expert Talk on “Micro to Nano Electronics II (Spintronics)” was held on **12<sup>th</sup> October 2019** **Faculty of Technology** in association with **Institutional Innovational Council** for **B.Tech 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> Year (CE, CSE, ME)** with the total strength of **80 attendees**. The program was facilitated by **Prof. (Dr.) B.K Kaushik from IIT Roorkee**

Prof. B. K. Kaushik from IIT Roorkee delivered a very comprehensive talk on solid state memories based on magnetic fields. His core content was centered on sub 10 nm technology. Further, he showed a large number of informative slides about the latest in Spintronics technology and variants of RAM and ROMs. He asked students to study the basics of memory systems used in day to day equipment. He concluded his talk with a brief description about micro to Nano electronic devices.

### Photos of the Event







## 8. Workshop on “Fabrication Techniques & Industrial Safety”

The Workshop on “Fabrication Techniques & Industrial Safety” was held on **21<sup>th</sup> October 2019 to 23<sup>rd</sup> October 2019** by **Department of Mechanical Engineering** in association with **Institutional Innovational Council for ME 3<sup>rd</sup> Year students** with the total strength of **18 attendees**. The program was coordinated by **Mr. M. Kannan** and was facilitated by **Mr. Atul Rajput (Ambuja Cement Foundation)**.

A three days Workshop on Fabrication techniques & Industrial safety was held in Ambuja Cement Foundation, Bhagwanpur. Students learn about the basic Industrial terms demand, skill and Goal. They also study safety measures in industries. Further they taught the fitter fabrication V butt joint deep penetration. They also taught how to make the job and also the different defects for the welding. The Workshop successfully achieved its objective. Attendees gained valuable insights into the potential benefits of the workshop.





## Photos of the Event



**Day 1: Introduction to industrial safety**



**Day 1: Basics of fabrications and other activities**



**Day 2: Measurement of 10mm sheet for V butt Joint and Preparing of V butt using plain file**



**Day 3: Cutting of workpiece using grinder and Preparing V butt by welding**



**Completion of Task**



## 9. Expert Talk on “Well Logging Techniques”

The Expert Talk on “Well Logging Techniques” was held on 07<sup>th</sup> November 2019 organized by **Department of Civil & Petroleum Engineering** in association with **Institutional Innovative Council for Petroleum and Civil Engineering students** with the total strength of **45 attendees** at Mini Auditorium. The program was coordinated by **Mr. Karan Babar** and was facilitated by **Mr. G.S. Dang** (Former Deputy Director, IIP Dehradun).

**Mr. G.S. Dang started** his talk from the basics of upstream and downstream. Then the presentation went on the topic Well Logging Techniques, in which he covered all the processes through which we evaluate formation and formation fluid. Some of them are: Logging History, SP log, GR log, Resistivity Log, Density Log, Porosity Log, Neutron Log, Calliper log etc. In the post lunch session, he explained the interpretation of logging data. That was easy to understand and the delivered content was easily digestible.

### Photos of the Event



**Welcome Ceremony and Felicitation of the Guest**



Facilitator addressing the attendees

## 10. Expert Talk on “Future of Quantity Surveyor”

The Expert Talk on “Future of Quantity Surveyor” was held on 13<sup>th</sup> November 2019, organized by **Department of Civil Engineering** in association with **Institutional Innovational Council for Civil Engineering students** with the total strength of **70 attendees** at MBA Seminar Hall. The program was coordinated by **Mr. Karan Babar** and was facilitated by **Mr. Triveni Prasad Nanda and Mr. Yogesh (Amity University)**.

In this workshop, students were made aware of various parts of project management with the use of a powerpoint presentation by **Mr. Triveni**. He explained how there will be a huge scope of Construction Management and Quality Management in future. He also explained the various parts of the project as well as the various stages involved in project planning and execution. He demonstrated the various contracts which are done at the time of project planning as well as execution. Overall it was a knowledgeable and delightful experience for the students. They have explored new techniques from this event which can help them in their future professional lives.

### Photos of the Event



**Welcome Ceremony and Felicitation of the Guest**





Facilitator addressing the attendees

## 11. Workshop on “Innovative Design: Ideation to Realization”

The Workshop on “Innovative Design: Ideation to Realization” was held on **13<sup>th</sup> November 2019**, organized at **DIC, Roorkee** by **Department of Mechanical Engineering** in association with **Institutional Innovational Council for Mechanical Engineering students** with the total strength of **30 attendees** at **Design Innovation Center (DIC) and Rethink! The Tinkering Lab, IIT Roorkee**. The program was coordinated by **Mr. M. Kannan** and was facilitated by **Prof. Akshay Dvivedi, Dr. Radha Raman Mishra and Prof. Varun Sharma** from **IIT Roorkee**.

The Design Innovation Center (DIC) is one of the twenty DICs set up in the country by the Ministry of Human Resource Development (MHRD), Government of India under the national initiative for setting up of Design Innovation Center, Open Design School and National Design Innovation Network. The goal of the workshop was to provide insights about Design Innovations and 3D printing related technologies.

The workshop was started by **Prof. Akshay Dvivedi**, he briefed the students about DIC and talked about Discovery, Invention, Innovation and how engineers can help in the development of society. In the second session, **Dr. Radha Raman Mishra** discussed the modern manufacturing process and gave an introduction to 3D printing. In the third session, **Prof. Varun Sharma** discussed Rapid Prototyping, Additive manufacturing, and the steps in development of a product via 3D printing. The complete product development cycle in 3D printing was discussed along with applications, advantages, limitations and future scope of 3D printing.

Post lunch session was all about modeling a part in CAD (Computer Aided Design) software i.e. solidworks. The virtual CAD models developed by the students were printed in the fifth session with the 3D printer Ultimaker. In the valedictory session the certificate of participation were given to students and faculties by Prof. Inderdeep Singh, Prof. Akshay Dvivedi and Dr. Radha Raman Mishra.

Overall the workshop was very useful for the students as they learned about the latest research in the field of science, technology, and engineering. The topics of the workshop were very new and are used currently in the industries. The students can use the concepts learned during the workshop to start

their research activities or projects related to 3D Printing. The students participated in this workshop very enthusiastically and took initiation for the entire day.

### Photos of the Event









Workshop on

**Innovative Design: Ideation to Realization**

**November 13, 2019**

Organized by Design Innovation Center (DIC) in association with Rethink! The Tinkering Lab  
Indian Institute of Technology Roorkee, Roorkee-247667, India





A large group of participants and organizers are posed for a group photo in front of a building. The group is arranged in several rows, with some people sitting on chairs in the front and others standing behind them. They are dressed in a mix of casual and semi-formal attire. The background shows the entrance of a modern building with large glass windows.

Quantum University, Roorkee



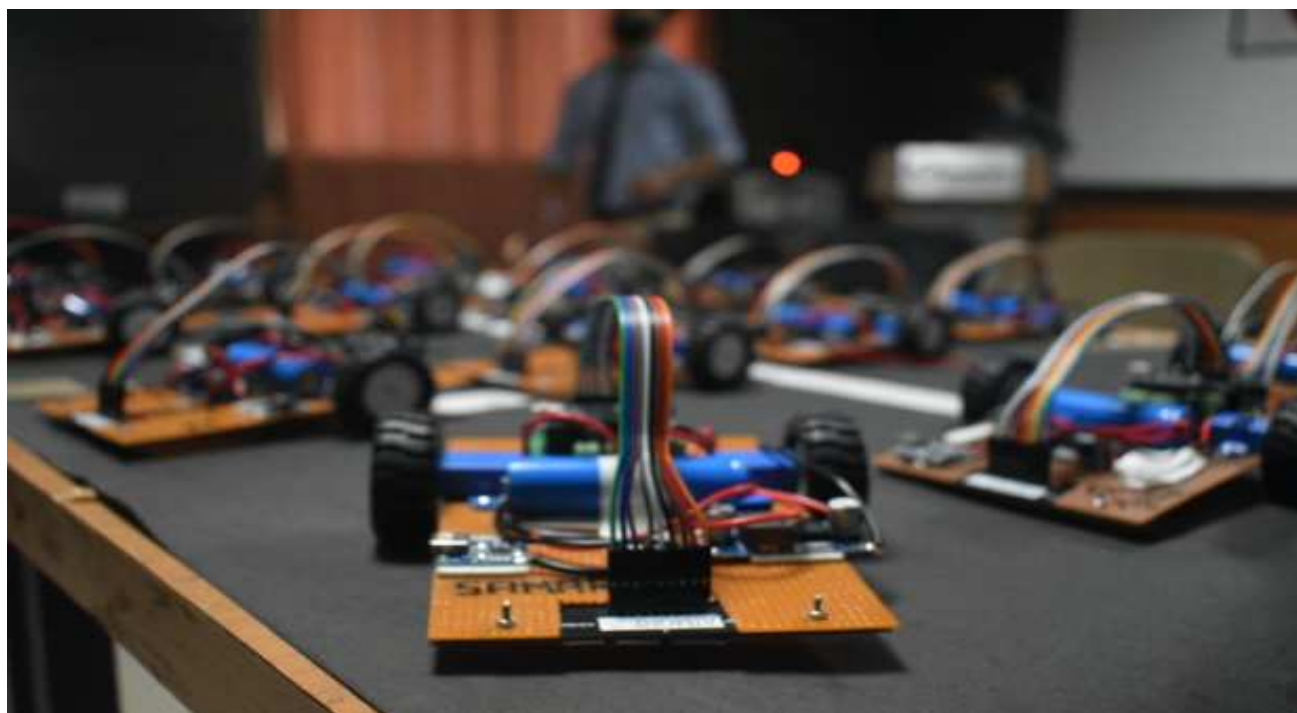
## 12. Workshop on “Robotics”

The Workshop on “Robotics” was held on **15<sup>th</sup> to 16<sup>th</sup> November 2019**, organized at **DIC, Roorkee** by **Department of Technology** in association with **Institutional Innovation Council** for **technology students** at **MBA Seminar Hall**. The program was coordinated by **Er. Jaspreet Srivastava** and was facilitated by **Mr. Ujjwal** and **Mr. Jyotishman Bharali (Amioni Robotics Trainer)**.

Total **63 students in 16 teams** participated in the **hands-on workshop** and they were able to design bots on the second day of the workshop. Kits were distributed to the participants on the day 1 of the workshop and they did assembling the kit. Students learned the use of sensors and Arduino while designing their kits. They were also made aware about the insights of programming and how to make changes in the code while using the same bot for different competitions.

### Photos of the Event





### 13. Expert Talk on “Entrepreneurship in India: Challenges and Prospects”

The **Expert Talk on “Entrepreneurship in India: Challenges and Prospects”** was held on **16<sup>th</sup> November 2019**, organized by **Faculty of Graduate Studies** in association with **Institutional Innovational Council** for **B.Com students** at **Mini Auditorium**. The program was coordinated by **Dr. Amit Saini** and was facilitated by **Mr. Tarun Kant Pant (Entrepreneur and Business Person)**.

**Mr. Tarun Kant Pant** highlighted the increasing number of startups and the government's initiatives to promote entrepreneurship, such as the "Startup India" campaign. One of the significant challenges faced by entrepreneurs in India is the limited access to capital. The talk emphasized the need for better access to funding options, including venture capital, angel investors, and improved banking facilities. The talk emphasized the importance of fostering a supportive ecosystem through government policies, improved funding options, simplified regulations, and investments in skill development. By addressing these challenges, India can create a conducive environment for entrepreneurs to thrive and contribute to the country's economic growth.

#### Photos of the Event









## 14. Workshop on “Chatbot Marketing”

The **Workshop on “Chatbot Marketing”** was held on **27<sup>th</sup> November 2019**, organized by **Department of Technology** in association with **Institutional Innovational Council** for **BCA and MCA students** at **Diploma Lab**. The program was coordinated by **Ms. Sandhya Samant** and was facilitated by **Er. Shahnavaz Khan (Founder and CEO Webdrill Technologies)**.

In this workshop, students were made aware about the differences in cost of Mobile Apps and Chatbots. After that the students were given a detailed introduction on Marketing through Chatbots. Lastly the students learnt how to make and deploy their own chatbots through various online tools such as Facebook Messenger.

### Photos of the Event





## 15. Expert Talk on “Research and academic possibilities after graduation in science”

The Expert Talk on “Research and academic possibilities after graduation in science” was held on **2<sup>nd</sup> December 2019**, organized by **Department of Agricultural Studies** in association with **Institutional Innovational Council** for **science students** with the total strength of **51 attendees**. The program was coordinated by **Dr Rakhi Sharma** and was facilitated by **Dr. Bhishma Tyagi (NIT Rourkela)**.

A productive **online skype session** was conducted at Quantum University on opportunities and possibilities in the field of research after graduation in science by department of science. Students of B.Sc. (PCM) had a very interactive session with eminent personality **Dr. Bhishma Tyagi**. Ambiguity regarding the idea of research opportunities was defenestrated. Idea of selecting streams for research in India and abroad was enlightening.

Various entrance examinations concerned with the research field were discussed. Everything seemed crystal clear. In fact, touching on his own area of interest, he explained the factors responsible for pollution which has created havoc in the environment, and ways to eradicate them. Hence a galaxy of information waved in the path for a bright future of students whose triumph highly depends on their hard work.

### Photos of the Event



## 16. Expert Talk on “Current and Future trends in 5G Technology”

The Expert Talk on “Current and Future trends in 5G Technology” was held on **1<sup>st</sup> January 2020**, organized by **Department of Technology** in association with **Institutional Innovational Council** for **B.Tech 1<sup>st</sup> Year students** with the total strength of **90 attendees**. The program was coordinated by **Dr Chandani Sharma** and was facilitated by **Er. Sushma Chaudhary (BSM College Roorkee)**.

**Er. Sushma Chaudhary** began the talk with an overview of 5G technology, emphasizing its potential to revolutionize connectivity by providing faster speeds, lower latency, and increased capacity compared to previous generations. The speaker highlighted the fundamental pillars of 5G, including enhanced mobile broadband (eMBB), ultra-reliable low latency communications (URLLC), and massive machine-type communications (mMTC).

The Speaker further provided an update on the global deployment of 5G networks, highlighting the progress made by various countries and telecommunication companies. The talk discussed the challenges faced during the initial implementation phase, such as infrastructure development, spectrum allocation, and device availability. The speaker also addressed the advantages of 5G in specific industries, such as healthcare, transportation, and manufacturing.

The expert talk on "Current and Future Trends in 5G Technology" provided an in-depth understanding of the present state and future prospects of 5G. The talk highlighted the transformative capabilities of 5G in terms of faster speeds, lower latency, and increased capacity. It discussed the ongoing global deployment of 5G networks and its potential impact on various industries. The talk also shed light on key technological advancements, potential applications, and future trends, while addressing challenges that need to be overcome for the successful implementation of 5G technology. Overall, the talk emphasized the significant role 5G will play in shaping the future of connectivity and enabling a wide range of innovative services and applications.



## Photos of the Event



## 17. Workshop on “Web Designing”

The Workshop on “Web Designing” was held on **2<sup>nd</sup> February 2020**, organized by **Department of Technology** in association with **Institutional Innovational Council** for **B.Tech CSE & BCA students** with the total strength of **90 attendees**. The program was coordinated by **Er. Satendra Kumar** and was facilitated by **Mr. Ritesh Kumar sharma (Zaptas Technologies)**.

The workshop on web designing provided participants with valuable insights and practical skills related to the field of web design. **Mr. Ritesh Kumar sharma** covered various aspects of web design, including fundamental principles, design tools, and current trends. The facilitator discussed the role of web design in establishing a strong online presence and engaging website visitors. The facilitator explained the importance of creating a consistent and intuitive user experience, as well as the significance of responsive design for different devices.

The workshop provided participants with a comprehensive understanding of the principles, tools, and trends in web design. Overall, the workshop served as a valuable platform for participants to enhance their web design knowledge and skills, contributing to their professional growth in the digital industry.

### Photos of the Event



## **18. Entrepreneurship Meet on “Unnati Startup and Entrepreneurship Knowledge Series”**

The Entrepreneurship Meet on “Unnati Startup and Entrepreneurship Knowledge Series” was held on **8<sup>th</sup> February 2020**, organized by **Department of Business and Administration** in association with **Institutional Innovational Council** for **MBA-I and II Year, BBA-II Year, B.Tech-IVth Year and B.Sc Agriculture students** with the total strength of **350 attendees** at **Shyamji Auditorium**. The program was coordinated by **Dr. Arun Kant Painoli** and was facilitated by **Shri Rajat Jain (SunFox Technologies)**, **Shri Animesh Biswas (Senior Business Manager, EX Wipro and Microsoft)** and **Shri Varun Tiwari (Founder and CEO Intelligyan)**.

The Entrepreneurship Meet on "Unnati Startup and Entrepreneurship Knowledge Series" brought together aspiring entrepreneurs, industry experts, and established entrepreneurs to exchange knowledge and insights on various aspects of startup and entrepreneurship. The event aimed to inspire and empower participants with valuable information and practical guidance to navigate the entrepreneurial journey.

The event began with a keynote speech from **Shri Rajat Jain** who shared their personal journey, challenges faced, and lessons learned. **Shri Animesh Biswas** motivated the audience by highlighting the importance of resilience, perseverance, and passion in pursuing entrepreneurial goals. The meet featured interactive panel discussions with industry experts and successful entrepreneurs. The panelists shared their experiences, success stories, and discussed key topics related to entrepreneurship, such as ideation, business planning, funding options, marketing strategies, and scaling up. Participants had the opportunity to ask questions and engage in meaningful discussions.

The event successfully brought together aspiring entrepreneurs and established professionals in an environment conducive to learning, networking, and collaboration. Through keynote speeches, panel discussions, workshops, and inspirational talks, participants gained valuable information, practical skills, and motivation to pursue their entrepreneurial dreams. The event contributed to fostering a vibrant entrepreneurial ecosystem by connecting participants with relevant resources, opportunities,



and a supportive network. Overall, the **Entrepreneurship Meet** served as a valuable catalyst for aspiring entrepreneurs, empowering them to navigate the challenges of entrepreneurship and work towards building successful and impactful ventures.



Entrepreneurship Meet on  
**“Unnati Startup and Entrepreneurship Knowledge Series”**  
 Jointly Organized by:  
**Quantum University, Roorkee**  
 And  
**Intelligyan**

(PROGRAMME SCHEDULE) VENUE: SHYAMJI AUDITORIUM 8 <sup>th</sup> FEBRUARY, 2020	
11:00 A.M. – 11:05 A.M.	Assembling in Shyamji Auditorium
11:05 A.M. – 11:10 A.M.	Lamp Lighting and Saraswati Vandana
11:10 A.M. – 11:20 A.M.	Launch of E-Cell, & Startup Policy, QU
11:20 A.M. – 11:30 A.M.	Address by Director – QSB
11:30 A.M. – 12:00 P.M.	Speech by Mr. Varun Tiwari, Founder & CEO, Intelligyan
12:00 P.M. – 12:30 P.M.	Session by Mr. Rajat Jain, Founder - Sunfox Technologies
12:30 P.M. – 01:00 P.M.	Session by Mr. Animesh Biswas, Senior Business Manager, Ex. Wipro & Microsoft
01:00 P.M. – 01:10 P.M.	Presentation by National Award Winner, School Student from Roorkee
01:10 P.M. – 01:40 P.M.	Session by Mr. Siddhartha Shukla, Lead – Startup, Uttarakhand
01:40 P.M. – 01:45 P.M.	Vote of Thanks from Dr. Arun Kant Painoli, Coordinator, Entrepreneurship Cell, Quantum University
01:45 P.M. – 02:00 P.M.	Kulgeet followed by Called off Meet
02:00 P.M. Onwards	Lunch Break

6/16/23, 11:27 AM

Quantum University Mail - Invitation for joining of Entrepreneurship Meet and Launch of E-Cell &amp; Startup Policy, Quantum Univer...



Vice Chancellor &lt;vicechancellor@quantumuniversity.edu.in&gt;

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**Invitation for joining of Entrepreneurship Meet and Launch of E-Cell & Startup Policy, Quantum University.**

4 messages

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Dr. Lokinder Kumar Tyagi <director.qsb@quantumeducation.in> Thu, Feb 6, 2020 at 4:58 PM  
To: "Dr. Vivek Kumar" <vicechancellor@quantumuniversity.edu.in>, Gulshan Chauhan <director@quantumeducation.in>, QSB Faculty <qsbfm@quantumeducation.in>, Coordinators QSB <coordinators.qsb@quantumeducation.in>, qstfm <qstfm@quantumeducation.in>  
Cc: Anshul Aggarwal <anshul.aggarwal@quantumuniversity.edu.in>, Shobhit Goyal <vc@quantumeducation.in>

Respected VC Sir and dear Colleagues,

We are pleased to inform all concerned that Quantum University, Roorkee is organizing one Day Entrepreneurship Meet on "Unnati Startup and Entrepreneurship Knowledge Series" in association with Intelligyan and Launch of E-Cell & Startup Policy of Quantum University. The Schedule of the Meet is as under:-

Date & Time: 8<sup>th</sup> February, 2020 from 11.00 am onward

Venue: Shyamji Auditorium

Coordinator: Dr.Arun Kant Painoli, QSB &amp; Ms.Annie, Intelligyan

You are cordially invited to join Entrepreneurship Meet and Launch of E-Cell & Startup Policy, Quantum University. as per the above schedule. The Department Coordinators and Class Advisors are requested to inform and educate our students to register through online registration process. For registration students are requested to visit Intelligyan at <https://Intelligyan.in/Unnati-haridwar-event/pass/>

The detailed Schedule and Committees made for the Event is attached herewith for the reference of all faculty colleagues with a request to take care of the areas & responsibilities assigned to them. Dr.Arun Painoli, Coordinator of this Event is requested to coordinate a meeting for close coordinate with the Committee members.

Regards,

Dr. Lokinder Kumar Tyagi  
Dean, Faculty of Business & Management,  
Director, Quantum School of Business,

Quantum University  
Campus: 22 Milestone, Roorkee - Dehradun Highway (NH 73)  
Roorkee - 247682  
Uttarakhand.  
Mobile: +91 8368655652  
[www.quantumuniversity.edu.in](http://www.quantumuniversity.edu.in)





## Photos of the Event





**Welcome Ceremony and Felicitation to the Guest**



## 19. Workshop on “Digital Marketing”

The Workshop on “Digital Marketing” was held on **12<sup>th</sup> February 2020**, organized by **Department of Technology** in association with **Institutional Innovational Council** for **MCA 2<sup>nd</sup> Year & CSE 2<sup>nd</sup> Year students** with a total strength of **38 attendees**. The program was coordinated by **Er. Satendra Kumar** and was facilitated by **Mr. Sumit Kumar (Digital Marketing Expert)**.

The workshop began with an introduction to digital marketing, emphasizing its importance in today's digital era. **Mr. Sumit Kumar** discussed the advantages of digital marketing over traditional marketing, including its ability to target specific audiences, track results, and optimize campaigns. Through practical exercises and discussions, participants gained insights into creating effective digital marketing campaigns, utilizing various tools and analytics platforms, and optimizing their strategies for better results. Overall, the workshop contributed to empowering participants with the necessary expertise to navigate and excel in the dynamic field of digital marketing.

### Photos of the Event







## 20. Expert Talk on “Agricultural Business Management (ABM)”

The **Expert Talk on “ABM”** was held on **18<sup>th</sup> February 2020**, organized by **Department of Agricultural Studies** in association with **Institutional Innovational Council for Agriculture Department students** with the total strength of **150 attendees** at **Shyamji Auditorium**. The program was coordinated by **Mr. Vinay Chamoli & Ms. Priyanka Bagri** and was facilitated by **Mr. Kokab Askari (MBA-ABM, Allahabad Agriculture University)**.

**Mr. Kokab** began the talk on ABM and its importance in agriculture. He also discussed the career and growth in the field of ABM with the students. It was really a great interactive session and students not only got the technical knowledge about ABM but also got an idea about the pathway of a good career in ABM.

6/16/23, 10:49 AM

Quantum University Mail - Press Club Report- Guest Lecture- School of Agricultural Studies - 18/ 02/ 2020



Vice Chancellor <vicechancellor@quantumuniversity.edu.in>

### Press Club Report- Guest Lecture- School of Agricultural Studies - 18/ 02/ 2020

1 message

Anoop Badoni <anoopbadoni.agr@quantumeducation.in>

Wed, Feb 19, 2020 at 2:51 PM

To: Press club <pressclub@quantumuniversity.edu.in>

Cc: director <director@quantumeducation.in>, Vice Chancellor <vicechancellor@quantumuniversity.edu.in>, Rohan Tyagi <rohan.tyagi@quantumeducation.in>

Dear Sir,

Kindly find the attachment of Press Club Report of School of Agricultural Studies.

Event- Guest Lecture on ABM  
Date - 18/ 02/ 2020

Regards!

Dr. Anoop Badoni  
(M.Sc.-Ag, Ph.D., FAPSR, FMSTC, MSFSN)  
Associate Professor & HEAD  
School of Agricultural Studies,  
Quantum University, Roorkee, Uttarakhand, India  
Mob. No.: +91 7050709609

 Press Report-05- Guest Lecture-ABM-19.02.2020.doc  
340K

## Photos of the Event



**Welcome Ceremony and Felicitation to the Guest**



**Facilitator addressing the attendees**



## 21. Workshop on “Industrial Automation”

The Workshop on “Industrial Automation” was held on **24<sup>th</sup> February 2020**, organized by **Department of Technology** in association with **Institutional Innovational Council for Mechanical Engineering students** with the total strength of **34 attendees** at **B.Tech Seminar Hall**. The program was coordinated by **Mr. M. Kannan** and was facilitated by **Dr. Kamlesh Singh (Quantum University)**.

The workshop on "Industrial Automation" provided participants with a comprehensive understanding of automation technologies, applications, and best practices in various industries. The facilitator covered topics such as PLCs, HMIs, SCADA systems, industrial robotics, IIoT, and implementation considerations. Through practical examples and case studies, participants gained insights into the benefits and challenges of implementing automation in industrial settings. The workshop served as a valuable platform for participants to enhance their knowledge and skills in industrial automation, equipping them to contribute to the ongoing advancements in the field.

Overall, the workshop fostered a deeper understanding of the role of automation in improving efficiency, productivity, and safety in industries, and highlighted the potential for future growth and innovation in industrial automation.

### Photos of the Event



6/16/23, 11:03 AM

Quantum University Mail - Workshop on Industrial Automation



Vice Chancellor <vicechancellor@quantumuniversity.edu.in>

## Workshop on Industrial Automation

2 messages

kannan m <mkannan.me@quantumeducation.in>

Mon, Feb 24, 2020 at 10:28 AM

To: Gulshan Chauhan <director@quantumeducation.in>, Vice Chancellor <vicechancellor@quantumuniversity.edu.in>

Dear Sir,

This is to inform that "Workshop on Industrial Automation" will be conducted by Dr. Kamlesh Singh for B.Tech. ME II and III Year students today.

Venue: Seminar Hall  
Time 2.30PM onwards.

Thanks & Regards

M.Kannan  
Coordinator- Mechanical & Mechatronics Engineering  
Quantum University, Roorkee, UK, India  
#9750316554

Vice Chancellor <vicechancellor@quantumuniversity.edu.in>  
To: kannan m <mkannan.me@quantumeducation.in>  
Cc: Gulshan Chauhan <director@quantumeducation.in>

Tue, Feb 25, 2020 at 9:39 AM

please send details to press club  
(Quoted text hidden)

Prof. Vivek Kumar  
Vice Chancellor

Quantum University  
Campus: 22 Milestone, Roorkee - Dehradun Highway (NH 73)  
Roorkee - 247662  
Uttarakhand.

Mobile: +91-9991881333 (O), +91 9760071971 (R)

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<https://mail.google.com/mail/u/1/?ik=534200511c&view=pt&search=all&permthid=thread-f1659392639517640215&siml=msg-f16593926395176402...> 1/1







## **22. Expert Talk on “Artificial Intelligence and Machine Learning using Mathematics”**

The Expert Talk on “Artificial Intelligence and Machine Learning using Mathematics” was held on **27<sup>th</sup> February 2020**, organized by **Department of Technology** in association with **Institutional Innovational Council** for **B.Tech 1<sup>st</sup> year students** with the total strength of **140 attendees** at **MBA Seminar Hall**. The program was coordinated by **Dr. Chandini Sharma** and was facilitated by **Dr. Sanjeev Kumar (IIT Roorkee)**.

**Dr. Sanjeev Kumar** began his talk with an introduction to AI and ML, highlighting their growing significance in various domains. He explained the basic concepts of AI and ML and their role in automating tasks, making predictions, and solving complex problems. He further emphasized the crucial role of mathematics in AI and ML algorithms. The talk explored the mathematical foundations of key AI and ML techniques, including linear algebra, calculus, probability theory, and statistics. **Participants learned how these mathematical concepts form the basis for algorithms.**

The talk concluded with insights into future directions and opportunities in AI and ML. The speaker highlighted the ongoing research in areas such as deep learning, reinforcement learning, and explainable AI. Participants were encouraged to explore further studies in mathematics and related disciplines to unlock the full potential of AI and ML.

The expert talk on "Artificial Intelligence and Machine Learning using Mathematics" provided participants with a comprehensive understanding of the mathematical foundations of AI and ML. The talk emphasized the significance of mathematical concepts such as linear algebra, calculus, probability theory, and statistics in AI and ML algorithms. Participants gained insights into the applications, challenges, and future directions of AI and ML, and how mathematics continues to drive advancements in these fields.

Overall, the talk served as a valuable platform for participants to deepen their understanding of the intricate relationship between mathematics and AI/ML, empowering them to apply mathematical principles in developing and optimizing AI and ML models.

## Photos of the Event



Speaker delivering speech regarding an introduction to AI and ML



**Speaker emphasizing the crucial role of mathematics in AI and ML algorithms**



## 23. Startups Nurtured in Quantum University as an Initiative to Promote Entrepreneurship Skills and Fostering Ecosystem in the Campus

SNo.	Name of Startup	Brief Description
1	<b>DreamQuark</b>	Dream Quark which works in empowering the students in robotics by providing hands-on training and experience on various robots. They provide courses in robotics like Mechanical, Civil, Electronics, and Computer Science for solving the entire task be it designing the robots programming part and circuits.
2	<b>Macle Soft</b>	Macle Soft is a start-up that provides professional services in the field of Website, Mobile Applications, IoT, Native Software, and other IT Solutions. Macle Soft is a team of creative professionals who will bring your small business to the next level.
3	<b>Mini Meal'z</b>	Mini Meal'z targets the students of colleges/universities situated on the outskirts of cities. They aim to provide pocket-friendly meals to the students who can enjoy the best food while residing in their respective outskirts.
4	<b>Daze infinity</b>	Dazeinfinity harnesses the power of cognitive computing, hyper-automation, robotics, cloud, analytics, and emerging technologies to help clients successfully adapt to the digital world. Its mission is to build a platform to connect clients with IT companies.
5	<b>Anonic Technologies</b>	Anonic Technologies services are designed to simplify the IT environment for the customers globally via different services like Website Designing & Development, Graphic & Animation Designing &

		Mobile Application Development & Web Application Security.
6	<b>Kumas Fabric</b>	Founder of Kumas Fabric, Nikunj Garg has started his startup dealing in stain-free and durable fabric with 20 years of shelf life.
7	<b>Zeromonk Private Limited</b>	Zeromonk Pvt Ltd caters to client software solutions & provides marketing aid with the main goal to create an educational community for the betterment of students' life and provide them good quality courses, internships, mentorships & jobs.