

QUANTUM UNIVERSITY



Student Centric Methods



Annual Report on Experiential Learning Methodologies

Academic Year (2021–2022)

**ANNUAL REPORT
EXPERIENTIAL LEARNING
METHODOLOGIES**



Academic Year (2021-2022)



Registrar
Quantum University

Experiential Learning Methodologies

2021-2022

Experiential learning is a dynamic educational approach that centers on the acquisition of knowledge through firsthand encounters, active participation, and subsequent reflection. In our educational framework, we prioritize immersing students in a spectrum of experiences that span both technical and non-technical domains. The overarching goal is to cultivate a holistic skill set by engaging in various activities, facilitated and overseen by our dedicated faculty.

Students are encouraged to delve into the realm of experiential learning through project development, where they actively apply theoretical knowledge to real-world scenarios. Additionally, they participate in enlightening student seminars, enriching student development programs, and interactive workshops that foster skill acquisition and critical thinking.

Integral to this experiential paradigm are industrial visits, offering students a firsthand glimpse into professional environments, broadening their perspectives and connecting theoretical concepts to practical applications. Moreover, internships provide an immersive experience, allowing students to apply classroom knowledge in authentic work settings, thereby bridging the gap between academia and industry.

Our faculty actively designs, executes, and monitors these activities to ensure a seamless integration of experiential learning into the academic curriculum. Through regular reflection on their experiences, students not only reinforce their understanding but also identify areas for improvement, facilitating continuous skill enhancement. In essence, our experiential learning approach empowers students to evolve as well-rounded individuals equipped with a robust blend of theoretical knowledge and practical proficiency.

Experiential learning



- Industrial Visits
- Workshops
- Training Programs
- Internships
- Lab Work
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	10	Department of Mechanical Engineering	Workshop On Intellectual Property Rights (IPRs)	Mr Sandeep Singh, Examiner Patents & Designs, IPO Delhi, NIPAM Officer, DPIIT, Ministry Of Commerce & Industry, Govt. Of India	Examiner Patents & Designs, IPO Delhi	10/03/2022	180
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Event Report Industrial Visit 2021-2022

1. Educational Visit to N.H.A. I. Project - 09/09/2021

On September 9, 2021, the budding minds of Civil Engineering, comprising 25 second-year B. Tech. students embarked on an enlightening educational journey to a project site managed by the National Highway Authority of India (N.H.A.I). Located at NH307 Saharanpur Reach, the site became a classroom without walls, offering invaluable insights into real-world construction practices.

The focal point of this educational visit was the meticulous study of the construction of a well foundation for a mini bridge. The intricacies of this engineering marvel unfolded before the students' eyes well, with a diameter of 4.5 meters, a wall thickness of 550 mm, and towering at a height of 18 meters. Students had the unique opportunity to witness the sinking operation of the well foundation in action, offering them a firsthand experience of the complexities involved in such endeavors.

The site visit was not just an observation; it was a rich learning experience facilitated by knowledgeable professionals. The site engineer, Mr. Alam, played a pivotal role in the students' education. He elucidated the intricate details of the project, explaining the bending of reinforcement bars and the casting process using M25 Concrete. Moreover, Mr. Alam provided in-depth insights into project documentation, sharing activity chart manuals and quality control parameters during execution.



In the Picture second-year B.Tech students venturing into the world of the National Highway Authority of India (N.H.A.I) Located at NH307 Saharanpur Reach

2. Educational Visit to N.H.A. I. Project - 14/10/2021

On October 14, 2021, a group of 34 students from the esteemed Civil Engineering Diploma 3rd year and B. Tech. 2nd year I embarked on a skill enhancement visit, immersing themselves in the practical intricacies of bridge construction under the esteemed banner of the National Highway Authority of India (N.H.A.I). Nestled within the NH304 project site, this visit offered students a unique opportunity to bridge the gap between theoretical knowledge and real-world applications.

The focal point of this educational sojourn was the meticulous examination of well foundation construction for a mini bridge. Students, armed with theoretical knowledge, witnessed the entire process unfold before their eyes. Under the expert guidance of Mr. Muzakkir, the Site Engineer, students gained practical insights into the bending of bars, reinforcement techniques, and the meticulous casting process utilizing cement grade 43 OPC and 500 steel reinforcement. This hands-on experience allowed students to grasp the nuances of well-foundation construction, offering a profound understanding beyond textbook explanations.

The site visit transcended traditional classroom learning by immersing students in the realm of efficient construction practices. Witnessing the sinking operation of the well foundation, students absorbed valuable lessons in resource optimization and effectiveness. Moreover, they correlated their theoretical knowledge of quality control and quantity measurement with the on-site observations, enriching their understanding of real-time project management.



Civil Engineering Students Visiting a Construction for a Mini Bridge to Witness the Entire Process Unfold Before Their Eyes

3. Mushcon International Mushroom Festival - 19/10/2021

Department of Agricultural Studies orchestrated an educational excursion to the "Mushcon International Mushroom Festival" on October 19, 2021, in Haridwar. This festival was attended by 34 students, hosted by the Department of Horticulture and Food Processing, Uttarakhand, and was dedicated to promoting awareness about Mushroom Cultivation, highlighting its economic significance, and showcasing its diverse applications.

During the visit, our students had the opportunity to participate in lectures delivered by esteemed delegates. They also explored an exhibition featuring a wide array of mushroom varieties and products derived from mushrooms. This experience provided valuable insights into the world of mushrooms and their multifaceted uses, enriching the student's knowledge in the field of agriculture.



Picture Taken during Mushcon International Mushroom Festival in Haridwar, Participation done by Department of Agricultural Studies as part of Educational Excursion

4. Educational visit to FRI Dehradun - 20/11/2021

A captivating educational excursion was organized for 37 first-year agriculture students to FRI Dehradun. Both male and female perspectives were represented under the guidance of two dedicated faculty members, Dr. Aditya Lama and Ms. Pooja Barthwal. During this enlightening visit, students had the opportunity to delve into various specialized museums within FRI, each dedicated to different aspects of forestry:

a) Silvicultural Museum, b) Pathological Museum, c) Timber Museum, d) Social Forestry Museum, e) Non-Wood Forest Museum, and f) Entomology Museum.

This immersive experience allowed students to expand their knowledge and gain a deeper understanding of the diverse facets of forestry, making their educational journey truly enriching and memorable.



An exciting group photo of Educational visit to FRI Dehradun for Agriculture students under the leadership of Dr. Aditya Lamba

5. Educational visit to Centre for Aromatic Plants, Selaqui, Dehradun - **09/12/2021**

On 9th December 2021 an educational visit to the Center for Aromatic Plants was organised for 19 students from the Department of Agricultural Studies at Quantum University. During this insightful visit, students had the opportunity to immerse themselves in the world of aromatic plants at CAP. They explored a diverse range of aromatic plant varieties, including:

- a) Peppermint (Papermint)**
- b) Ocimum spp**
- c) Butch**
- d) Geranium**
- e) Palmarosa**
- f) Aromatic Plants Nursery**

This hands-on experience allowed students to expand their knowledge about these plants, providing them with valuable insights into their cultivation, properties and uses. Under the guidance of their knowledgeable faculties, the students gained a comprehensive understanding of aromatic plants, making their educational journey both engaging and informative.



Picture Taken during the Excursion visit to Aromatic Plant Nursery

Event Report

Workshop & conferences

2021-2022

1. Workshop on Food Processing - 04/09/2021 to 11/09/2021

The Department of Agricultural Studies organized an interactive workshop for third-year students pursuing B. Sc. (Hons.) Agriculture, focusing on the processing of fruits and vegetables by Mr. Anjil Kumar and Mr. Naveen Chandra. A total of 102 students actively participated in this engaging session. The workshop centered on the intricate art of fruit jam preparation, offering students a hands-on experience.

During the workshop, students delved into the nuances of fruit jam production. They not only learned the practical aspects of preparing jam but also gained insights into the essential chemical and physical parameters crucial for maintaining jam quality. Topics covered included Total Soluble Solids (TSS), pH levels, acidity, peel thickness, and fruit quality. This comprehensive approach equipped the students with valuable knowledge, enhancing their understanding of the intricate process behind creating high-quality fruit jams.



A Glimpse from Workshop on Value Addition and Food Processing

2. Workshop on Intellectual Property Rights (IPRs) and IP Management for the Start-Up - 14/09/2021

On 14th September 2019, a workshop on intellectual property rights was organized by the Department of Mechanical Engineering which was attended by 121 students, Dr. Kamlesh Singh delivered a compelling presentation, shedding light on the significance of Intellectual Property Rights (IPRs). His insightful session revolved around elucidating various government policies and schemes associated with IPRs and startups. The lecture commenced with a detailed overview of diverse IPR categories, including Patents, Copyrights, and Geographical Indications (GI), among others. Dr. Singh also provided valuable insights into IP management tailored specifically for startups.

During the lecture, attendees were immersed in a wealth of information. Dr. Singh not only delved into the theoretical aspects but also illuminated the practical avenues for Startups within the realm of IPRs in India. The session was marked by its depth, offering comprehensive details about IPRs, and was structured to be both informative and interactive, engaging the audience effectively.



In the Picture, Dr. Kamlesh Singh delivered a compelling presentation on Intellectual Property Rights (IPRs)

3. Workshop On Metrology and Calibration - 29/09/2021

On September 29, 2021, the Impulse Club orchestrated a significant event titled "Workshop on Metrology and Calibration" by Mr. Mohd. Azam. This workshop, held at the Mechanical Engineering Workshop of Quantum University, served as a platform for academic enrichment and hands-on learning. The event was thoughtfully organized by the students of the Impulse Club and was attended by more than 75 students showcasing their dedication to enhancing the educational experience.

Taking place between 2:30 PM to 4:30 PM, the workshop attracted active participation from a diverse group of more than 75 students from Quantum University. These interactive sessions are invaluable for students, providing them with practical knowledge and skills that extend beyond the classroom. Engaging in such events not only fosters a deeper understanding of the subject matter but also encourages collaborative learning, making them an essential component of the student's academic journey.



In the Frame, a glimpse from the Workshop on Metrology and Calibration

4. Guest Lecture on Entrepreneurship - 18/10/2021

The Guest Lecture on Entrepreneurship held on October 18, 2021, organized by the Department of Commerce and Finance, offered a profound exploration into the challenges faced by aspiring startup entrepreneurs and established business owners, surpassing common assumptions, 50 students listened to the guest lecture. The event emphasized the critical need for a deeper understanding of the entrepreneurial landscape. Comprehensive education focusing on the foundational elements of entrepreneurship and professional business development, including mindset, skills, knowledge, and tools, took center stage.

The impact of the activity was significant, illuminating the students about the vital importance of possessing strong entrepreneurial skills. The lecture delivered by Mr. Chhavi Prakash underscored that the failure of many entrepreneurs often boils down to the choice of business ventures. Consequently, meticulous research and thoughtful decision-making before diving into a business endeavor were highlighted as indispensable. By imparting this essential wisdom, the session offered attendees a valuable glimpse into the intricate world of entrepreneurship, equipping them with vital insights to make informed and strategic entrepreneurial choices.



Image from Guest Lecture on Entrepreneurship

5. Workshop On Geotechnical In Situ Test for Foundation of Earthquake Resistant Structure in Foothill Area -20/10/2021

The Civil Engineering Department at Quantum University organized a comprehensive one-day workshop centered on Geotechnical Situ tests for earthquake-resistant structures in foothill regions. This event was tailored for B. Tech. and Diploma students enrolled in the Specialized Hill Infrastructure course.

Throughout the workshop, approximately 53 students delved into the intricacies of Geotechnical In Situ tests, following the standardized procedures outlined in IS: 1888 (1982). Essential tests such as the Standard Penetration Test, Plate Load Test, and Sampling Test were thoroughly covered. These tests are crucial in designing foundations for multistoried buildings, especially in earthquake-prone areas.

Under the guidance of Dr. Aterkar's Team, participants gained valuable insights into the significance of these tests and the precautions necessary for their accurate execution. Faculty members, Mr. Mohit Kumar and Mr. Iwansh Gupta from the Civil Engineering Department elucidated the process of analyzing measurements using IS codes. Additionally, they provided in-depth explanations on designing foundation types tailored specifically for hilly terrains, utilizing the results obtained from these tests.

This workshop not only equipped students with practical skills but also fostered a deeper understanding of the vital role Geotechnical In Situ tests play in ensuring the structural integrity and earthquake resilience of buildings in foothill regions.



Image from Workshop on Geotechnical In Situ Test for Foundation of Earthquake Resistant Structure in FootHill Area

6. Session on Corporate Finance - 20/12/2021

On December 20, 2021, a captivating workshop on Corporate Finance was conducted by the Department of Commerce and Finance, delving into the fundamental aspects of financing and the intricate capital structures of corporations. This workshop was attended by 22 students, and the speaker (Mr. Mahesh Mishra) shed light on the critical significance of financial arrangements in the business world.

Corporate finance acts as the lifeblood of businesses, dictating the sources of funding crucial for their sustenance. Arranging funds involves a variety of methods, ranging from utilizing internal reserves to seeking assistance from relatives, a decision often influenced by individual circumstances.

In the realm of promising projects, a well-documented and viable project report can attract investments from angel investors, individuals who inject funds into projects they believe in. Renowned figures like Mr. Azim Premji exemplify this practice, serving as angel investors. Furthermore, platforms such as Shark Tank employ rigorous analysis to identify potential projects, sharing valuable insights through their series.

For projects displaying merit, banks extend support through bridge financing, offering favorable interest rates to facilitate growth. Additionally, the landscape of corporate finance has evolved, introducing the concept of venture capital financing. This innovative approach reflects the ever-changing dynamics of financial strategies, showcasing the diverse avenues available for businesses to secure the funding they need.



Mr. Mahesh Mishra Enlightening students on Corporate Finance

7. Five Days National Research Paper Writing Workshop & Competition - 22/02/2022

Department of Business Administration at Quantum University, Roorkee, marked a significant milestone with its Five Days National Research Paper Writing Workshop & Competition held from February 22 to 26, 2022. An estimated 100 students benefited from the workshop on research paper writing.

The event kicked off on a vibrant note, featuring a captivating introduction by the anchoring team, followed by a mesmerizing Saraswati Dance performance by talented students. The atmosphere was filled with enthusiasm and creativity. The day commenced officially with a warm welcome address delivered by the Director of Quantum Department of Business.

The highlight of the first day was an enlightening expert talk by Dr. Navtika Singh Nautiyal, an esteemed faculty from the Department of Law, Forensic Justice, and Policy Studies at the National Forensic Sciences University in Gandhinagar, Gujarat. Dr. Nautiyal eloquently emphasized the importance of cultivating a professional attitude intertwined with integrity and ethics for conducting high-quality research.

She also elucidated the essential basic steps involved in crafting a research paper, providing valuable insights and guidance to the eager participants. The session was not just informative but also inspiring, setting the tone for a productive and enriching research paper writing workshop.



Take Glimpse at Five Day National Research Paper Writing Workshop & Competition

8. Creative and Design Thinking - 28/02/2022

The Department of Commerce and Finance, in collaboration with the IIC Innovation Cell at Quantum University Roorkee, orchestrated a transformative workshop on Creative and Design Thinking on February 28, 2022. This workshop aimed to immerse 120 commerce students in the revolutionary world of design thinking, a methodology celebrated for its innovative problem-solving techniques that have reshaped the business landscape.

The event featured Mr. Omkar Nath Yadav, an Assistant Professor from the Department of Media Studies & Design, as the distinguished speaker. With expertise and passion, he delved into crucial aspects of design thinking. Mr. Yadav emphasized the pressing need for businesses to comprehend customer needs empathetically.

He underscored the significance of thinking creatively and stepping outside conventional boundaries to achieve overarching business objectives. The session not only inspired but also equipped the attendees with valuable skills and a fresh perspective, fostering entrepreneurial orientation and a mindset geared toward innovation and success.



Picture moment from Creative and Design Thinking Workshop on IIC Innovation Cell at Quantum University Roorkee

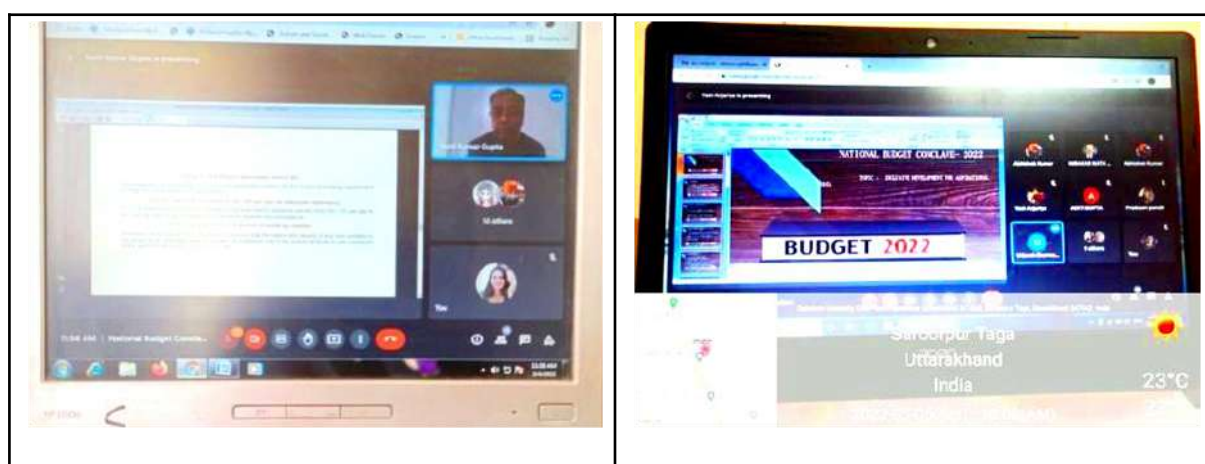
9. National Budget Conclave 2022 - 01/03/2022 to 05/03/2022

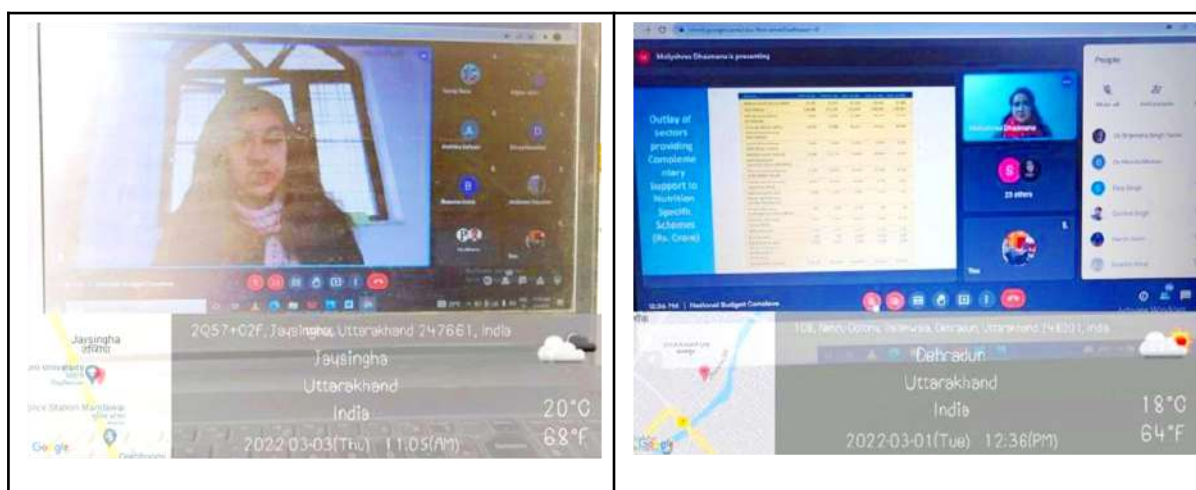
The National Budget Conclave 2022, held from March 1 to March 5, 2022, brought together esteemed speakers who illuminated various facets of the budget, leaving an indelible impact on 250 student and faculty attendees.

On the first day, Ms. Molly Shree Dhasmana, a Health Economist and Research Analyst at Basic Paradigm Co., Noida, captivated the audience with her insights on Health and Well-Being in Budget 2022. She highlighted the meticulous attention given to the sector, showcasing the government's commitment to healthcare.

Dr. Ankut Joshi, an Assistant Professor from Banasthali University, Rajasthan, shared valuable knowledge on the concept of Minimum Government and Maximum Governance, commending the governance model of the Central Government. The spotlight of the event was Dr. Jadi Bala Komaraiah, a Professor at Banaras Hindu University, whose talk centered on inclusive development for aspirational India.

His motivational address resonated deeply, leaving a lasting impression on all attendees. The third day featured Ms. Akansha Rawat, an Assistant Professor at Graphic Era (Deemed to be University), who emphasized the importance of Reinvigorating Human Capital and Government investment in Innovation and R&D. Her inspirational talk shed light on the critical role of human capital in driving progress and innovation. Dr. S.K. Gupta, a renowned Chartered Accountant and MD of RVO, Institute of Cost Accountants, Delhi, provided a comprehensive overview of the direct and indirect taxes in the budget, on the last day of the event. He candidly discussed the public's disappointment due to the unchanged exemption and investment limits, contrasting with the positive reactions from corporate houses.





Collection of Screenshots from Online Discussion on National Budget Conclave 2022

10. Workshop On Intellectual Property Rights (IPRs) - 10/03/2022

On 10th March 2022, a workshop commenced under the guidance of Mr. M. Kannan, the Coordinator of the Mechanical Engineering Department, who underscored the significance of patents and the necessity of conducting an Intellectual Property Rights (IPR) workshop. The workshop witnessed a 180 number of students introduced to the concept of IPR by Mr. Sandeep Singh, the distinguished speaker, to the eager participants, setting the stage for an enlightening session.

Mr. Sandeep delved into the essence of Intellectual Property, unraveling its complexities for the attendees. He meticulously covered diverse aspects of Intellectual Properties, ranging from the fundamental concept of patents to intricate topics like Patent Rights, Trademarks, Industrial Design, Geographical Indication Layout, Semiconductor Protection, Trade Secret, Copyright, and the Protection of Plant Varieties, Farmers' Rights, and Researchers' Rights. Mr. Sandeep emphasized the essence of IPR, highlighting their nature as monopoly rights and the need for timely renewal, except in the cases of copyright and trade secrets.

The workshop served as a rich source of knowledge for both students and teachers, providing invaluable insights into the multifaceted world of IPR. Participants gained comprehensive awareness and deep insights, making the workshop a highly informative and enlightening experience for all involved.



Picture from a Successful Workshop on Intellectual Property Rights (IPR)

Event Report Guest Lecture 2021-2022

1. Motivation and Learning - 18/02/2021

On February 18, 2021, the Department of Agricultural Studies was graced by the presence of Ms. Shivani Kapoor, Assistant Professor, who delivered an insightful Guest Lecture on "Motivation and Learning" to the 33 first-year students of B.Sc. (Hons.) Agriculture.

During her lecture, Ms. Kapoor delved into the essence of motivation and learning, shedding light on their definitions, significance, and importance, particularly within the context of rural society. With her expertise, she eloquently explained how these concepts are intricately woven into the fabric of daily life. She not only emphasized their theoretical aspects but also provided practical insights on how to apply motivation and learning in various real-life situations.

The lecture proved to be an enlightening experience for the students, offering them valuable knowledge and a fresh perspective on motivation and learning. Ms. Shivani Kapoor's expertise and engaging delivery left a lasting impression, enriching the student's understanding and encouraging them to apply these concepts in their academic pursuits and beyond.



Ms.Shivani Kapoor Discoursing Motivation and Learning during her lecture

2. Workshop on E- Agriculture- 19/02/2021

On February 19, 2021, an enriching workshop on E-Agriculture was organized for 131 3rd-year Agriculture students. The highlight of the event was the presence of Dr. Vanitha, an esteemed Assistant Professor from TNAU, Coimbatore, who was invited as a guest lecturer to share her expertise on the topic.

During her insightful lecture, Dr. Vanitha enlightened the students about the realm of E-Agriculture, emphasizing the pivotal role of technology in transforming agricultural practices. She provided a comprehensive overview of how various technological applications are integrated into agriculture, showcasing the numerous advantages these advancements bring to the field.

Dr. Vanitha's expertise and engaging presentation style made the workshop a valuable learning experience for the students. Her knowledge not only broadened their understanding of E-Agriculture but also inspired them to explore the innovative possibilities technology offers in the agricultural sector. The session undoubtedly left a lasting impact, empowering the students with insights that are invaluable for their academic and professional growth.



In The Frame an Enriching Workshop on E-Agriculture Organized For The 3rd-Year Agriculture Students

3. Entrepreneurship in Agriculture - 25/02/2021

On February 25, 2021, an insightful session on "Entrepreneurship in Agriculture" was conducted, inviting Dr. Arun Penauli, Coordinator of the MBA Department at Quantum University, Roorkee, as the esteemed guest lecturer. Dr. Penauli's engaging lecture was specifically tailored for 164 3rd-year Agriculture students.

During the session, Dr. Penauli shared a wealth of valuable information and knowledge, focusing on cultivating entrepreneurial skills within the agricultural sector. His expertise illuminated the students, providing them with practical insights into various agriculture-based entrepreneurial opportunities. The lecture was not only informative but also inspiring, encouraging the students to explore innovative avenues within agriculture.

The session proved to be highly fruitful and effective, leaving a lasting impact on the students. Dr. Penauli's guidance empowered aspiring agricultural entrepreneurs, equipping them with the necessary skills and knowledge to navigate the entrepreneurial landscape successfully. The event undoubtedly contributed significantly to fostering an entrepreneurial spirit among the students, making it a valuable learning experience.



A frame captured from the Insightful session on "Entrepreneurship in Agriculture" by a seasoned expert Dr. Arun Penauli

4. Session on Holistic Approach towards Life - 15/03/2021

On March 15, 2021, an enriching session on "Holistic Approach towards Life" was conducted, featuring Mr. Pratyush Pandey, an Assistant Professor at Jadhav University and Guest Faculty at George College, Kolkata. With expertise in yoga instruction and marma therapy, Mr. Pandey's diverse background added depth to the session.

The session commenced with a tranquil atmosphere as 16 attendees engaged in om chanting, setting a serene tone. Mr. Pandey then delved into an in-depth discussion on holistic lifestyles, emphasizing the interconnectedness of various aspects of life. He provided an overview of marma therapy, energy healing, breathing exercises, and guided meditation techniques, offering participants valuable tools for holistic well-being.

The interactive session reached its peak with practical activities, including breathing exercises (pranayama) and yogic asanas tailored to alleviate stress. These activities not only provided hands-on experience but also imparted practical techniques that attendees could incorporate into their daily routines.

This session proved immensely beneficial, enhancing the student's understanding of health psychology and holistic well-being. Mr. Pandey's expertise and the practical activities conducted left a profound impact, equipping participants with invaluable tools for a balanced and holistic approach to life.

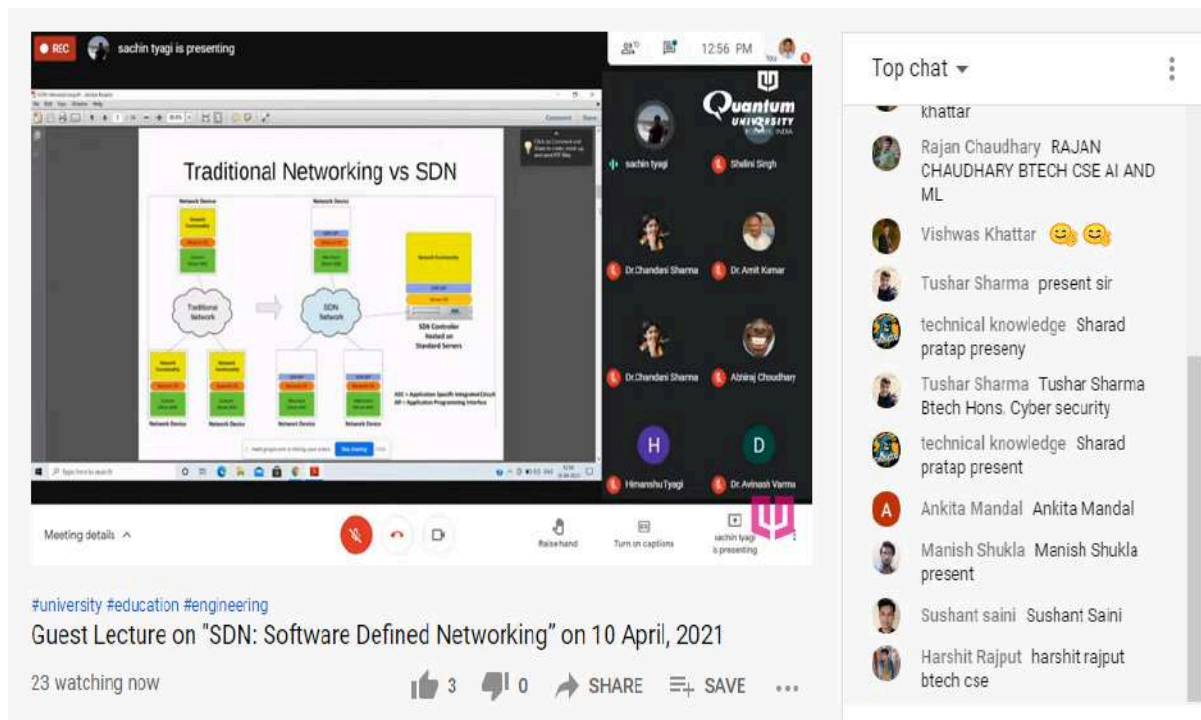


The image captured during the discourse on the Holistic Approach towards life from a Marma Therapy Expert Mr. Pandey

5. Online Session on SDN: Software Defined Networking - 10/04/2021

On 10th April 2021 an online session on SDN was hosted with the attendance of 200 students. Software-defined networking (SDN) is an emerging architecture that is dynamic, manageable, cost-effective, and adaptable, making it ideal for the high-bandwidth, dynamic nature of today's applications. This architecture decouples the network control and forwarding functions enabling the network control to become directly programmable and the underlying infrastructure to be abstracted for applications and network services.

Different applications and comparisons with traditional networking mechanisms were shown by the speaker (Er. Sachin Kumar). The event was conducted nicely and students enjoyed participating.



The screenshot displays a Zoom meeting interface. The main window shows a presentation slide titled "Traditional Networking vs SDN" with a diagram comparing traditional network architecture (switches and routers) to SDN architecture (centralized controller and programmable switches). The right sidebar shows a list of participants including khattar, Rajan Chaudhary, Vishwas Khattar, Tushar Sharma, and others. The bottom of the screen shows meeting details: "Guest Lecture on "SDN: Software Defined Networking" on 10 April, 2021" and "23 watching now".

Online Session on Software Defined Networking (SDN) highlighting the promising potential of SDN

6. Creative writing for Radio and Digital Media Platforms - 16/04/2021

On April 16, 2021, a captivating workshop titled "Creative Writing for Radio and Digital Media Platforms" unfolded, featuring the esteemed presence of Mr. Abhilekh Dwivedi, a renowned author and senior copywriter at Mirchi FM. With his wealth of experience, Mr. Dwivedi illuminated 84 present students on the intricacies of digital writing concepts, providing invaluable insights and practical tips for commercial writing across diverse media platforms, including Radio and Audio Podcasts.

During the workshop, Mr. Dwivedi's expertise shone as he shared creative techniques tailored to the digital landscape. He not only delved into the art of crafting compelling narratives but also provided specific strategies for commercial writing, enabling students to grasp the nuances of effective communication in the digital realm. His real-world examples and industry-focused advice resonated with the participants, offering them a valuable perspective on the dynamic world of radio and digital media platforms.

The session proved to be both enlightening and inspirational, empowering the students with the knowledge and skills essential for creative writing in the contemporary media landscape. Mr. Dwivedi's engaging presentation style and industry expertise made the workshop an enriching experience, leaving a lasting impact on all attendees.



The Pack that executed the Creative Writing for Radio and Digital Media Platforms" workshop with finesse

7. Guest Lecture on "Hospitality Industry & Career in Cruise Lines - 11/05/2021

On May 11, 2021, the Department of Hospitality and Tourism hosted a prestigious online guest lecture on "Hospitality Industry & Career in Cruise Lines" via Google Meet, attending the workshop 38 students gained insight into the discussed career opportunity. The event commenced at 11:00 am and featured Chef Atit Singh, a highly respected figure in the culinary world, currently affiliated with Lakshya Institute of Hotel Management in Panipat, Haryana.

The lecture began with a warm welcome from Mr. Gaurav Mamgain, the Head of the Department of Hospitality and Tourism. Chef Atit Singh, renowned for his culinary expertise and academic prowess, shared his extensive experience of over 10 years as both a chef and educator. He provided invaluable insights into the diverse sections of the hospitality industry, with a specific focus on hotels, restaurants, airlines, and cruise liners. Chef Atit Singh meticulously discussed the scope and significance of these sectors, shedding light on the abundant career opportunities available in the field of Hospitality.

Throughout the session, attendees gained access to vital information, exploring various facets of the hospitality industry. Chef Atit Singh's deep knowledge and practical insights not only enriched the students' understanding but also inspired them to consider promising career paths within this dynamic and thriving sector. The guest lecture served as a beacon, guiding students toward a world of possibilities within the expansive realm of Hospitality and Cruise Lines.



Screenshot of online guest lecture on "Hospitality Industry & Career in Cruise Lines" via Google Meet

8. Guest Lecture on Tandoor Cuisine - 18/05/2021

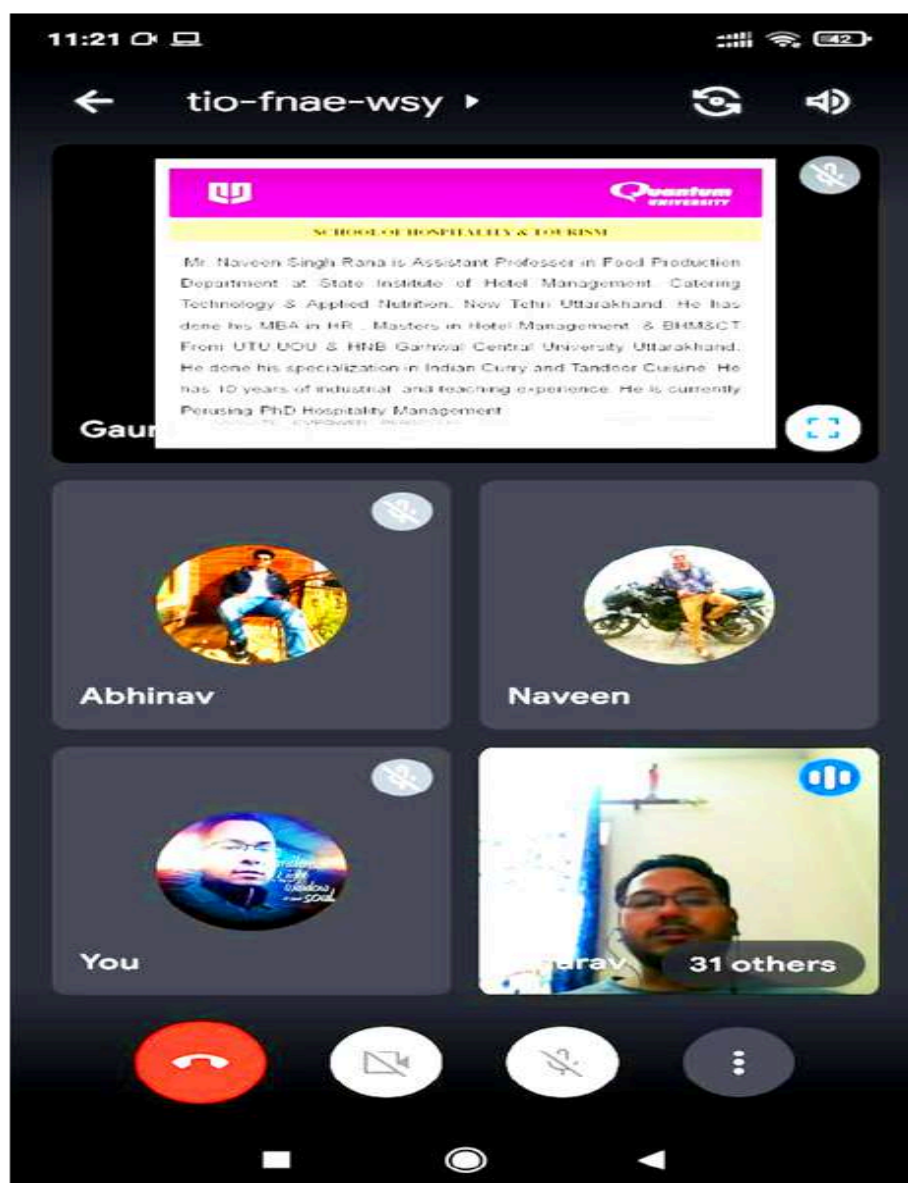
On May 18, 2021, the Department of Hospitality and Tourism organized a highly informative and engaging guest lecture on "Tandoor Cuisine," conducted via the online platform Google Meet and joined by 36 students on the learning journey. The session commenced at 11:15 am and featured Chef Naveen Singh Rana, a renowned culinary expert affiliated with the State Institute of Hotel Management & Applied Nutrition in New Tehri, Uttarakhand. With over a decade of experience as both a chef and academician, Chef Rana shared his wealth of knowledge with the eager participants.

The event kicked off with a warm welcome from Mr. Gaurav Mamgain, the Head of the Department of Hospitality and Tourism, who extended a gracious welcome to Chef Rana. Chef Rana, celebrated as one of the best chefs in India, is widely recognized for his culinary prowess and affiliations with prominent hospitality and chef associations.

During the lecture, Chef Naveen Singh Rana provided invaluable insights into the intricate world of Tandoor Cuisine. He delved into the art of Tandoori cuisine, offering detailed explanations about Tandoors, the cooking methods employed, and the various types of marinades used, such as white, yellow, red, and green. He also educated the students about the essential concept of Mise-en-place in Tandoor cooking. Furthermore, he elaborated on the wide array of products that can be prepared in a Tandoor, emphasizing their health benefits.

Chef Rana didn't stop at sharing his culinary expertise; he also offered valuable advice to the students regarding potential career paths within the Tandoor section of hotels and restaurants, both in India and abroad. His guidance provided students with a clear vision of the opportunities available to them in the culinary world.

Mr. Gaurav Mamgain, the Coordinator of the Department of Hospitality & Tourism, played a pivotal role by guiding and motivating the students, enhancing their enthusiasm for pursuing careers in the captivating realm of Tandoor Cuisine. The lecture proved to be an enriching experience, equipping the students with practical knowledge and inspiration, making it a memorable and auspicious occasion for all involved.



Screenshot from a highly informative guest lecture on "Tandoor Cuisine," conducted via the online platform Google Meet by Celebrated Chef Naveen Singh Rana

8. Guest Lecture on Revenue Management in Hospitality - 19/05/2021

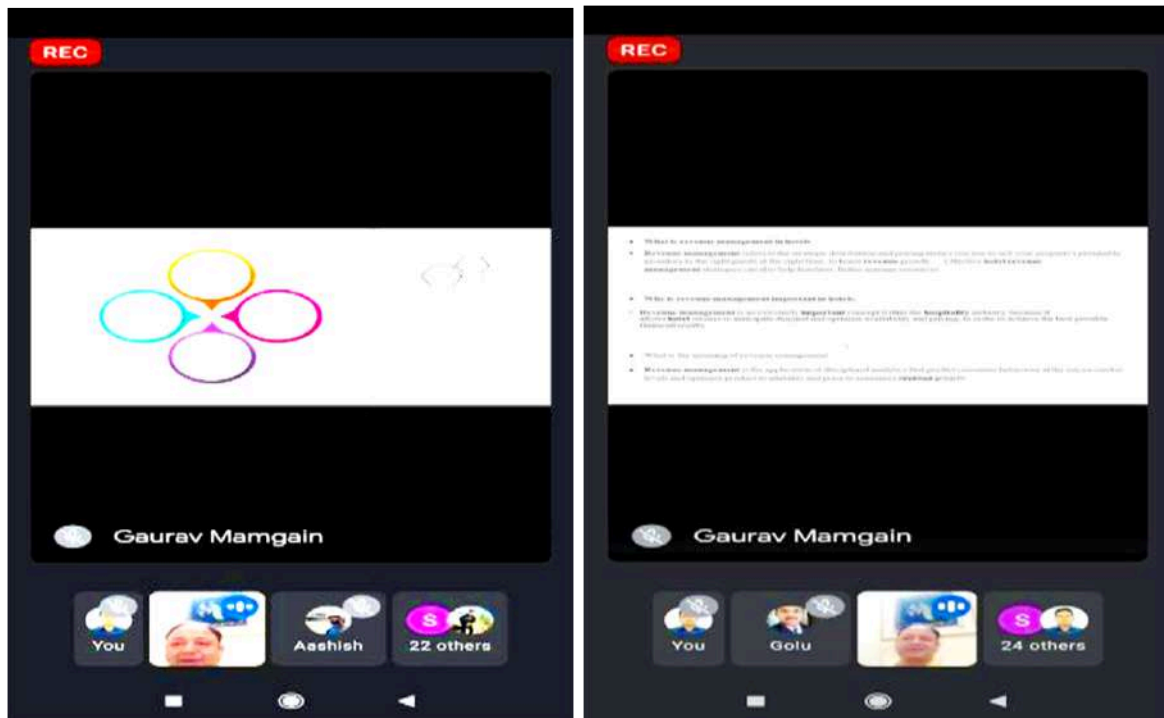
On May 19, 2021, the Department of Hospitality and Tourism orchestrated an enlightening guest lecture on "Revenue Management in Hospitality" via the online platform Google Meet. The session commenced at 11:00 am and was joined by 36 students, featuring Mr. Rahul Sharma, a distinguished figure in the Indian hospitality industry. Presently serving as the General Manager at Regenta Tarika Resort, Ramnagar, Nainital (Royal Orchid Group), Mr. Sharma boasts a wealth of experience spanning over 13 years.

The event began with a warm and gracious welcome extended to Mr. Rahul Sharma by Mr. Gaurav Mamgain, the Head of the Department of Hospitality and Tourism. Mr. Sharma, well-regarded for his expertise, shared invaluable insights into revenue management in hotels, providing real-life examples to elucidate key concepts.

During the lecture, Mr. Sharma elucidated the meaning, necessity, and significance of revenue management in hotels. He offered practical strategies on how to enhance revenue generation, emphasizing essential tools and the strategic pillars pivotal to revenue management success. Additionally, he delved into the roles of revenue managers, elucidating how revenue management is calculated in hotels through practical examples.

Mr. Sharma's comprehensive knowledge and practical approach resonated with the students, providing them with a deep understanding of revenue management strategies applicable in the hospitality industry. His insights not only enriched their theoretical knowledge but also equipped them with practical skills essential for their future careers.

Throughout the session, Mr. Gaurav Mamgain, the Coordinator of the Department of Hospitality & Tourism, played a guiding role, motivating the students and enhancing their enthusiasm for learning. The guest lecture proved to be a significant and auspicious occasion, leaving an indelible mark on all attendees and empowering them with valuable insights into the dynamic world of revenue management in the hospitality sector.



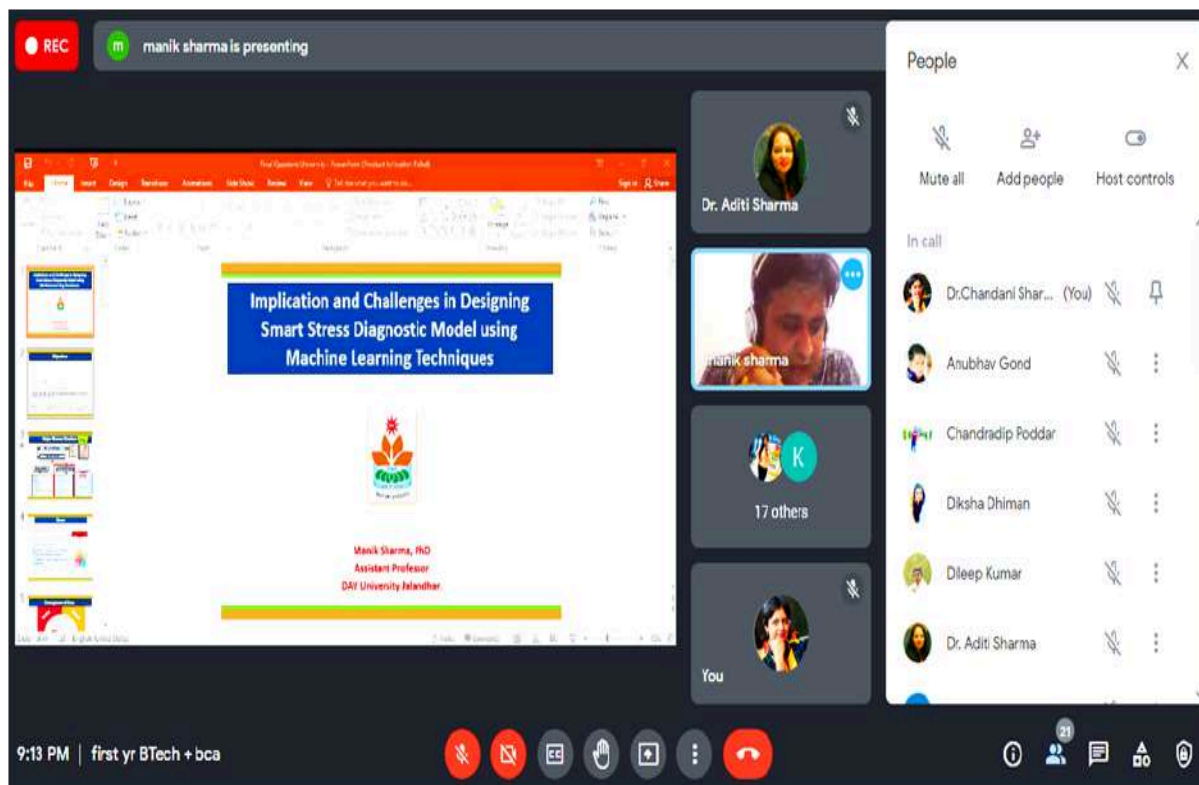
Screenshot of mind-capturing online session on "Revenue Management in Hospitality" via the online platform Google Meet

9. Application of ML in designing Smart Healthcare System - 01/07/2021

On July 1, 2021, an illuminating session titled "Application of ML in Designing Smart Healthcare System" unfolded, shedding light on the profound impact of Machine Learning (ML) in the realm of healthcare. Hosted and attended by 45 students, the lecture revolved within the context of cutting-edge technology, the session delved into the transformative potential of ML, a sophisticated method of data analysis that automates analytical model building, falling under the expansive umbrella of artificial intelligence.

The lecture primarily focused on ML algorithms, specifically highlighting their application in the Stress Diagnostic Model. Attendees were provided with comprehensive insights into various algorithms, including the innovative Firefly Algorithm, Genetic Algorithm, and Grey Wolf Optimization, as well as the integration of ML with the Internet of Things (IoT) and Artificial Intelligence (AI). Furthermore, the session explored the nuances of Context-Aware Computing, a technology that adapts to users' context

and enhances personalized experiences. One of the noteworthy highlights of the session was a compelling case study centered around the psychiatric healthcare diagnostic system, demonstrating the practical application and effectiveness of ML in addressing critical healthcare challenges. The engaging presentation was complemented by interactive slides, ensuring an immersive and educational experience for the participants. This session not only deepened the participants' understanding of ML but also showcased its potential to revolutionize healthcare systems. By emphasizing real-world applications and demonstrating the synergy between technology and healthcare, the session inspired attendees to explore the boundless possibilities of ML in shaping a smarter, more efficient healthcare landscape.



A screenshot from an online session on ML in Designing Smart Healthcare System" unfolded, shedding light on the profound impact of Machine Learning (ML)