

QUANTUM UNIVERSITY



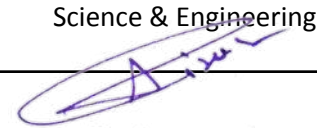
A REPORT ON CAREER COUNSELING AND GUIDANCE FOR COMPETITIVE EXAMS


**ACADEMIC YEAR
(2022-2023)**

Following Career Counseling and Guidance for Competitive Exams Initiatives Are Undertaken By The Institution

5.1.2 Following Capacity Enhancement, Preparation for Entrance Exams, Interview Skills and Resume Building was accomplished in the following year

Capacity Enhancement, Preparation for Entrance Exams, Interview Skills and Resume Building Program	Year Of Implementation	Number Of Students Enrolled	Name Of The Agencies-Consultants Involved With Contact Details, If Any
Leadership Training 2022 Under Honeywell Employee Volunteering Program	19 th November 2022	153 students	Department of Computer Science & Engineering Mr. Virendra Kumar (Honeywell Motivational Speaker)
Guidance for Competitive Exams 'How To Prepare For GATE/IES And Major Exams	14 th September 2022	35 students	Department of Mechanical Engineering Mr Vibhav Srivastava (speaker), Faculty & Motivation speaker, MADEEASY, Delhi
Career Guidance By Alumni For MBA Students	30 th July 2022	12 students	Department of Business Administration Mr. Saumay Sharma & Ms. Kalpna Rohela Sharma (Alumni Quantum University)
Guidance for Competitive Exams with Aptitude And Reasoning Tricks Training For CSE, ME & CE Students	14 th to 16 th September 2022	62 students	Department Of Computer Science and Engineering, Mechanical Engineering & Civil Engineering
Career Counseling Webinar through Discussion On Employee Vs Entrepreneur (Who Has A Better Future) MBA Students	1 st August 2022	26 students	Department of Business Administration Ms. Devika Sen (Senior Accounts Executive at Browser Stack & Entrepreneur)
Career Counseling Session With Training & Placement Officer	15 th September 2022	62 students	Department of Computer Science & Engineering


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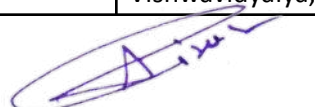
			Mr. Chunnu Lal
Career Guidance Webinar On Employability Initiative & Training In Finance And Insurance Sector	25 th August 2022	45 students	Department of Business Administration Mr. Vinay Pal Singh
Career Opportunity through Integration of Artificial Intelligence and Machine Learning for MBA Students	4 th August 2022	25 students	Department of Business Administration Mr. Rajit Sikka & Mr. Sushil Chandra (Head Academic Relation, India North TCS)
Webinar on Entrepreneurship For MBA Students	8 th August 2022	27 students	Department of Business Administration Mr. Uttam Kesari (Director Palan-G Industries)
Webinar on Entrepreneurship & Innovation For MBA Students on World's Entrepreneurs Day	20 th August 2022	37 students	Department of Business Administration Mr. Uttam Kesri AND Mr Munishwar Nath Gulat) Palan-G Industries Pvt. Ltd. And Silicon media Infocomm, Ghaziabad.
Career Counseling On Micro, Small & Medium Enterprises (MSME) Financing For Commerce Students	17 th September 2022	40 students	Department of Business Administration Shri SP Singh (Banks Executive Trainer & Motivational Speaker Retired DGM PNB, Meerut)
Boot Camp 2022 ON COMPETITIVE EXAMS FOR B.COM, B.B.A & MBA (2021-2023) Batch	9 th to 14 th May 2022	210 students	Department of Business Administration Mr. Ashish Garg, Ms. Jaya Verma, Mr. Vaibhav Gupta, Ms. Ishita Pant, Mr. Lokesh Kumar Dass
Smart Brains Placement Training for Competitive Exams (B.TECH CSE BATCH 2019-23)	9 th to 25 th June 2022	62 students	Department of Computer Science & Engineering 

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Placement Training For HCL Technologies (B.TECH CSE BATCH 2019-23)	7 th to 12 th February 2022	62 students	Department of Computer Science & Engineering
Placement Training For Hexaware Technologies For (B.Tech CSE Batch 2019-23)	8 th to 13 th August 2022	62 students	Department of Computer Science & Engineering
Placement Training For Reliance Jio (B.Tech CSE Batch 2019-23)	10 th to 15 th October 2022	62 students	Department of Computer Science & Engineering
Placement Training Schedule -Final Year BCA MCA AND B.TECH	12 th to 17 th October 2022	125 students (B. Tech= 62, B.C.A= 47 & M.C.A= 16)	Department of Computer Science & Engineering
Placement Training on J2EE for B.TECH CSE BATCH (2020-2024)	7 th to 12 th November 2022	69 students	Department of Computer Science & Engineering
AAYAM 2023 - Career & Skill Training Workshop	24 th to 25 th February 2023	450 students	Department of Mechanical Engineering Dr. Amrita kumari, Dr. Chandani Sharma (Assistant Professor, Department of CSE, Quantum University)
Training for Competitive Exams Numerical Ability Classes For B.Sc (PCM), BCA, B.Sc (N&D), B.Sc (Radiology), BA (Eco), BA (H) JM, B.Com & BBA (2021-24)	25 th to 27 th January 2023	345 students	Department of Applied Medical Sciences, Department of Paramedical Sciences, Department of Business Administration & Department of Humanities and Social Sciences
GD/PI Sessions For B.Sc (PCM), BCA, B.Sc (N&D), B.Sc (Radiology), BA (Eco), BA (H) JM, B.Com & BBA (2020-23)	30 th to 31 st January 2023	263 students	Department of Applied Medical Sciences, Department of Paramedical Sciences, Department of Business Administration & Department of Humanities and Social Sciences


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			Mr. Vaibhav Gupta (Internal Faculty)
Training for Competitive Exams Numerical Ability Classes FOR B.TECH CSE, ME & CE (2021-2025) BATCH	18 th to 20 th January 2023	191 students	Department of Computer Science & Engineering, Civil Engineering and Mechanical Engineering
Training for Competitive Exams Aptitude Reasoning Classes FOR B.TECH CSE, ME & CE (2020-2024) BATCH	12 th to 14 th December 2022	161 students	Department of Computer Science & Engineering, Mechanical Engineering & Civil Engineering
Career Guidance on Opportunity In Radiology	20 March 2023	37 students	Department of Paramedical Sciences Mr. Aditya Negi (Internal Faculty)
Career Guidance on Career Opportunities In Pharma Industries On The Occasion Of World Pharmacist Day	27 th September 2022	150 students	Department of Pharmacy Mr. Niroj Nayan Padhy, Production Manager, Vance and Health Pharmaceuticals Private Limited Roorkee and Dr. Ashwani Jangra, Associate Professor, Gurukul Kangri Vishwavidyalaya, Haridwar.


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LEADERSHIP TRAINING 2022 UNDER HONEYWELL EMPLOYEE VOLUNTEERING PROGRAM

Name of Event: Leadership Training

Date of Event: 19th November 2022

Hosted By: Department Of Computer Science and Engineering

Name of Trainers: Mr. Virendra Kumar (Honeywell Motivational Speaker)

Number of Participants: 153 students

On the 19th of November 2022, Quantum students majoring in Computer Science and Engineering were treated to a captivating leadership talk organized by Honeywell, a prominent multinational corporation. The event featured Mr. Virendra Kumar, a renowned motivational speaker from Honeywell, who delivered an inspiring speech to the attendees. This Training was a part of Honeywell's initiative for holistic student development, conducted under their employee volunteering program model. Kumar's engaging presentation not only encouraged students to explore their untapped potential but also delved into the realm of predictive analysis and its applications in leadership development.

Key Takeaways:

- 1. Self-Exploration and Personal Empowerment:** Mr. Kumar's talk emphasized the importance of introspection and self-discovery. He motivated students to explore their innate talents and strengths, fostering a sense of self-empowerment. Understanding one's potential became the cornerstone of his message, encouraging students to embark on their personal and professional journeys with confidence.
- 2. Fulfillment through Uncovering Potential:** The speech inspired students to look within themselves, recognizing the hidden talents and abilities waiting to be discovered. By acknowledging these internal resources, students were encouraged to pursue paths that align with their passions and interests, leading to a more fulfilling and satisfying life.
- 3. Introduction to Predictive Analytics:** Mr. Kumar's discussion on predictive analysis broadened the students' horizons. He explained the concept in detail, showcasing how predictive analytics can be harnessed for leadership development. By employing data-driven insights, leaders can make informed decisions, prioritize tasks effectively, and allocate resources efficiently, enhancing overall organizational productivity.
- 4. Strategic Decision-Making:** Through the exploration of predictive analytics, students gained insights into strategic decision-making processes. Understanding how data can guide decisions and resource allocation proved invaluable. This knowledge equipped them to approach problem-solving and decision-making in their future professional endeavors with a more informed perspective.

Learning Outcomes:

- 1. Enhanced Self-Discovery:** Students gained a profound understanding of their inherent capabilities, leading to increased self-awareness and confidence in their abilities.
- 2. Motivation for Personal and Professional Growth:** Mr. Kumar's motivational speech inspired students to aspire for personal and professional growth. They were encouraged to set ambitious goals and work diligently toward achieving them.
- 3. Introduction to Predictive Analytics Skills:** Attendees were introduced to the concept of predictive analytics, enhancing their awareness of data-driven decision-making processes and its relevance in the professional world.
- 4. Strategic Thinking and Decision-Making:** Students acquired skills related to strategic thinking and decision-making, learning to evaluate situations analytically and make well-informed choices.

The leadership talk by Mr. Virendra Kumar served as a catalyst for the personal and professional development of the Quantum students in Computer Science and Engineering. By emphasizing self-discovery, motivation, and introducing them to the practical applications of predictive analytics, the event significantly contributed to their growth and preparedness for future challenges in the rapidly evolving technological landscape. Honeywell's commitment to nurturing talent and empowering future leaders was clearly demonstrated through this insightful and impactful event.







Collection of Honey Well Youth Empowerment program conducted in Quantum University

COMPETITIVE EXAM GUIDANCE ON 'HOW TO PREPARE FOR GATE/IES AND MAJOR EXAMS

Name of Event: Competitive Exam Guidance

Date of Event: 14th September 2022

Hosted By: Department of Mechanical Engineering

Name of Trainers: Mr Vibhav Srivastava (speaker), Faculty & Motivation speaker, MADEEASY, Delhi

Number of Participants: 35 students

On September 14th, 2022, the Department of Mechanical Engineering at Quantum University organized a Competitive Exam Guidance training program focused on preparing for competitive exams like GATE (Graduate Aptitude Test in Engineering), IES (Indian Engineering Services), and other major exams. The event, held in the prestigious Shyam Ji Auditorium, featured Mr. Vibhav Srivastava, an expert speaker from Madeeasy, New Delhi, one of the leading training institutes for competitive exams. The lecture aimed to guide students on effective methods to crack these exams and provided insights into the patterns of questions, essential syllabus areas, and recent trends in qualifying scores.

Event Details:

The training commenced at 11:30 AM and concluded at 1:30 PM. Mr. Vibhav Srivastava, the esteemed speaker, addressed more than 100 students from Quantum University, sharing invaluable knowledge and strategies for excelling in competitive engineering exams. The lecture primarily focused on the significance of the GATE exam, providing in-depth insights into question patterns, crucial syllabus sections, and strategic approaches to secure high scores. Moreover, Mr. Srivastava discussed the variations in qualifying scores over the last decade for different streams, offering students a comprehensive understanding of the exam's dynamics.

Learning Outcomes:

- 1. Understanding GATE/IES Importance:** Students gained a profound understanding of the importance of GATE and IES exams in the field of engineering, recognizing these exams as gateways to advanced opportunities and career growth.
- 2. Insights into Question Patterns:** Participants learned about the specific patterns of questions asked in GATE and other major exams, enabling them to focus their preparation on relevant topics and question types.

3. Syllabus Focus Areas: The lecture highlighted key sections of the syllabus that require special attention, empowering students to concentrate their efforts on critical subjects to qualify and score well in the exams.

4. Trends and Qualifying Scores Analysis: Through the analysis of trends and qualifying scores over the past decade, students gained valuable insights into the exam's evolving nature, allowing them to strategize their preparation effectively.

5. Student Queries Addressed: The interactive session enabled students to ask specific queries related to the GATE exam, which were expertly answered by Mr. Srivastava. This direct interaction enhanced students' clarity and confidence about exam-related concerns.

The Competitive Exam Guidance training program on preparing for GATE/IES and major exams organized by the Department of Mechanical Engineering at Quantum University was highly informative and impactful. Through expert guidance, students gained valuable insights, honed their exam preparation strategies, and increased their confidence in tackling competitive engineering exams. Such initiatives play a pivotal role in empowering students, opening new avenues for their careers, and contributing significantly to their academic and professional growth. Quantum University's commitment to providing holistic education was evident through the success of this event, emphasizing the institution's dedication to student welfare and success in the competitive world of engineering.





Images from the Competitive Exam Training Program “How to Prepare for GATE/IES and other Major Exams

CAREER GUIDANCE BY ALUMNI FOR MBA STUDENTS

Name of Event: Career Guidance by Alumni for MBA Students

Date of Event: 30th July 2022

Hosted By: Quantum School of Business

Name of Trainers: Mr. Saumay Sharma & Ms. Kalpna Rohela Sharma (Alumni Quantum University)

Number of Participants: 12 students

On 30th July 2022, Quantum School of Business organized a highly informative and interactive session for the current MBA students featuring two esteemed alumni, Mr. Saumay Sharma and Ms. Kalpna Rohela Sharma. Both alumni, who graduated from Quantum School of Business, are currently employed in prominent Multinational Corporations (MNCs) within the Human Resource Departments. The objective of the session was to bridge the gap between academic knowledge and real-world industrial practices, offering invaluable insights into HR recruitment processes and industrial management.

Key Learning Outcomes:

- 1. Insights into HR Recruitment Processes:** The alumni shared their first-hand experiences as HR recruiters in MNCs, shedding light on the intricate processes involved in talent acquisition. Students gained a comprehensive understanding of recruitment strategies, interview techniques, and the essential skills required to succeed in the competitive field of human resources.
- 2. Real Industrial Functioning and Management:** Through real-life examples and case studies, the alumni elucidated the complexities of industrial functioning and management. They discussed practical challenges faced in the industry and the corresponding managerial solutions. This exposure equipped students with a pragmatic perspective, enabling them to comprehend the dynamics of organizational operations.
- 3. Importance of Taking Initiatives:** Mr. Saumay Sharma and Ms. Kalpna Rohela Sharma emphasized the significance of proactivity and initiative-taking in academic and extracurricular activities. They shared their own experiences of engaging in university initiatives, highlighting how such participation not only enhanced their skills but also provided valuable networking opportunities and a broader perspective of the industry.
- 4. One-on-One Discussion Sessions:** The personalized one-on-one discussion sessions between the alumni and MBA students proved to be immensely beneficial. Students had the opportunity to seek advice, clarify doubts, and gain personalized insights into career planning and industry expectations.

These sessions fostered mentorship and encouraged open dialogue, enhancing students' confidence in navigating their career paths.

5. Inspiration and Motivation: The success stories of Mr. Saumay Sharma and Ms. Kalpna Rohela Sharma served as a powerful source of inspiration for the current MBA students. Their journey from being students at Quantum School of Business to establishing themselves in reputed MNCs inspired the students to set high goals, work diligently, and persevere in the face of challenges. The session instilled a sense of motivation and self-belief among the attendees.

The interactive session with the alumni, Mr. Saumay Sharma and Ms. Kalpna Rohela Sharma, significantly contributed to the professional development of the MBA students at Quantum School of Business. By providing deep insights into HR recruitment, industrial functioning, and the importance of proactive involvement, the session bridged the gap between academic learning and practical application. The personalized one-on-one discussions and the motivational narratives further enriched the learning experience. This event reinforced Quantum School of Business's commitment to holistic education, equipping students not only with academic knowledge but also with the skills and inspiration necessary for a successful career in the corporate world.





Group picture and felicitation of Alumni Guests during the Career Guidance and Interactive Session

GUIDANCE FOR COMPETITIVE EXAM ON APTITUDE AND REASONING TRICKS TRAINING FOR CSE, ME & CE STUDENTS

Name of Event: Guidance for Competitive and Exam Aptitude and Reasoning Tricks Training

Date of Event: 14th to 16th September 2022

Hosted By: Department Of Computer Science and Engineering, Mechanical Engineering & Civil Engineering

Number of Participants: 62 students

Quantum University's Department Of Computer Science and Engineering, Mechanical Engineering & Civil Engineering organized a comprehensive three-day Guidance for Competitive and Exam training program focusing on Aptitude and Reasoning Tricks. The event took place from 14th to 16th September 2022, aiming to equip students with essential skills required to crack competitive exams. The training program was meticulously designed to cover various aspects of aptitude and reasoning, providing students with a strong foundation in these areas.

Learning Outcomes:

1. **Enhanced Problem-Solving Skills:** Participants developed advanced problem-solving skills through the understanding of mathematical reasoning concepts and techniques. They gained proficiency in solving complex problems related to number series, analogies, logical sequences, and various other aptitude-related challenges.
2. **Improved Logical and Analytical Thinking:** The training program honed students' logical and analytical thinking abilities. By delving into topics like rule detection, blood relations, and order & ranking, participants learned to approach problems systematically, improving their ability to analyze and deduce logical patterns.
3. **Effective Time Management:** Students learned time-saving strategies and tricks related to aptitude and reasoning. Through methods like coding and decoding, students acquired techniques to quickly decipher patterns, enhancing their ability to manage time effectively during competitive exams, where time is often a critical factor.
4. **Confidence in Competitive Exams:** The program instilled confidence in participants to tackle competitive exams. By mastering topics such as sitting arrangement, statement and argument, and conclusion, students gained the confidence to approach diverse question types, empowering them to perform well in various competitive examinations.
5. **Comprehensive Exam Preparation:** Participants were equipped with a comprehensive set of skills required for competitive exams. From understanding concepts like logical Venn diagrams to practicing statement-based problems, attendees were prepared to face the diverse challenges presented in competitive exams. This well-rounded preparation ensured their readiness for a wide range of question formats and topics.



Training program aimed to equip students with essential skills required to crack competitive exams.

Course Structure

VP3401	Title: Aptitude & Reasoning Ability	L T P C 2 0 0 2
Version No.	2.0	
Course Prerequisites	Nil	
Objectives	To provide an understanding of the basic reasoning and underlying concepts of mathematical reasoning ..	
Expected Outcome	The students will learn and prepare themselves for various competitive exams.	
Unit No.	Unit Title	No. of hrs (per Unit)
Unit I-		05
Number Series, Letter Series, Analogies, Logical Sequence of Words, Direction Sense Test, Coding and Decoding		
Unit II-		07
Rule Detection, Blood Relation, Paper Folding, Mirror Images, Water Images, Cube , Dice, Order & Ranking		
Unit III-		05
Inequality , Syllogism , Sitting Arrangement Circle , Square , Line , Dictionary Order , Word Formation		
Unit IV-		05
Clock , Calendar , Counting of Triangle , Counting of Square , Counting of rectangle , Counting of Line		
Unit V-		06
Logical Venn Diagram, Statement and Course of Action, Statement and Assumption, Statement And Argument , Statement And Conclusion		
Suggesting Readings:	1. R.S. Aggarwal, "Objective Arithmetic." S. Chand & Company New Delhi. 2. R.S. Aggarwal, "Verbal and Non-Verbal Reasoning." S.Chand& Company New Delhi 3. R.S. Aggarwal, "Quantitative Aptitude." S. Chand & Company New Delhi 4. R.D. Sharma, "Senior Secondary Mathematics" Vol: 1 and Vol: 2 New Delhi	
Mode of Evaluation	Internal and External Examinations	

**CAREER GUIDANCE DISCUSSION ON EMPLOYEE VS ENTREPRENEUR (WHO HAS A BETTER FUTURE)
FOR MBA STUDENTS**

Name of Event: Career Guidance Webinar on Employee Vs Entrepreneur (Who Has a Better Future)

Date of Event: 1st August 2022

Hosted By: Department of Business Administration

Name of Trainers: Ms. Devika Sen (Senior Accounts Executive at Browser Stack & Entrepreneur)

Number of Participants: 26 students

The career guidance webinar conducted on 1st August 2022 as part of the MBA orientation module aimed to address the dilemma faced by students when making career choices, particularly in the context of the rising popularity of entrepreneurship over traditional employment. The session was led by Ms. Devika Sen, an accomplished Entrepreneur and Motivational Speaker currently associated with Browserstack. The core message of the webinar emphasized the need to comprehend the intricacies of career options, drawing an analogy with solving a puzzle.

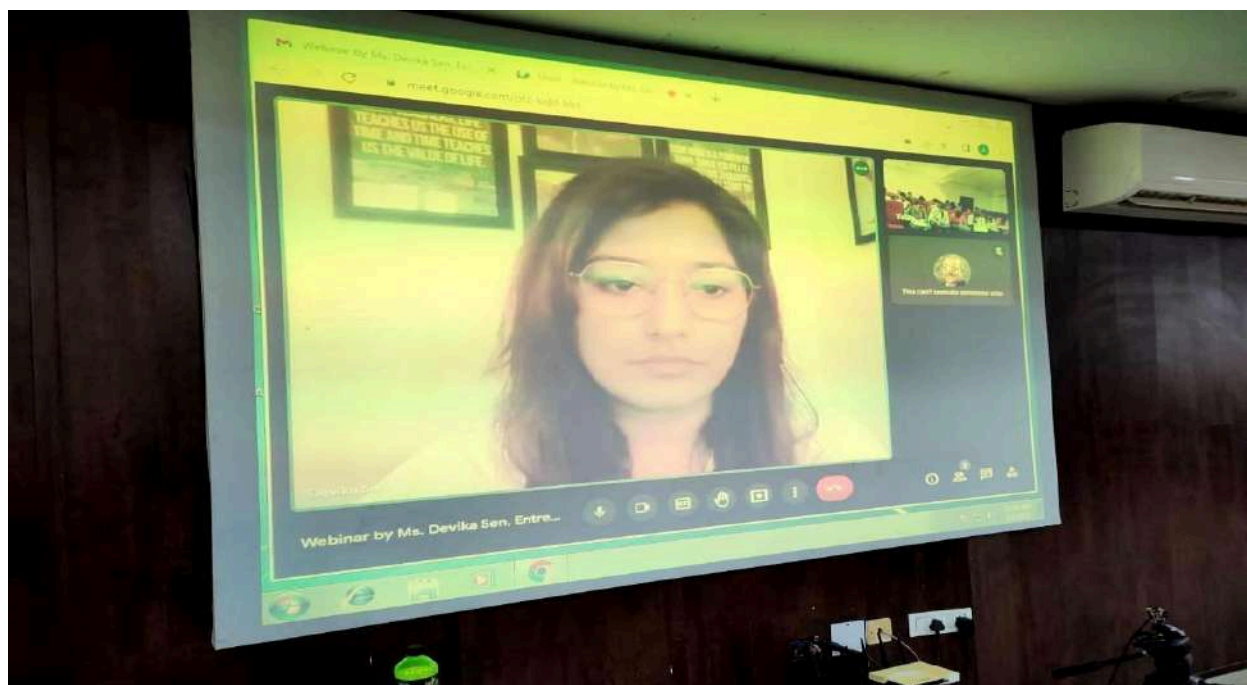
Key Learning Outcomes:

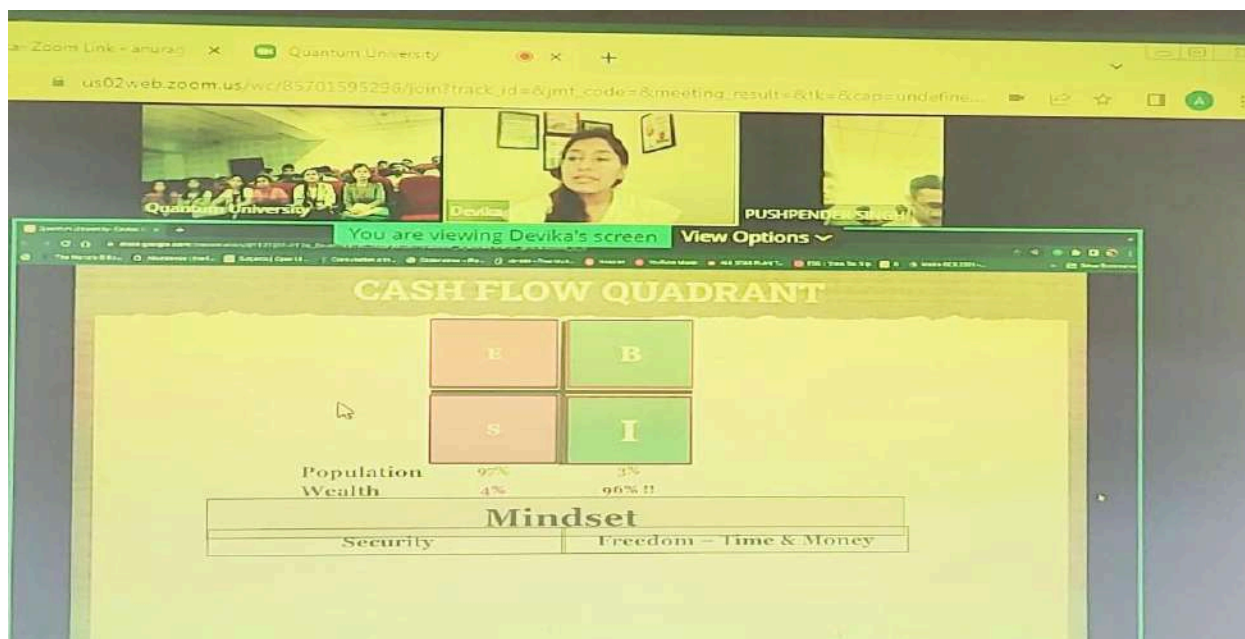
1. **Understanding the Puzzle Analogy:** Ms. Sen's analogy between solving a puzzle and making career choices resonated deeply with the participants. The idea that understanding is the key to solving any puzzle, and by extension, understanding the nuances of career paths, provided a foundational insight. Students learned that making informed choices requires a deep understanding of oneself, the industry, and various corporate cultures.
2. **Pros and Cons of Being an Employee vs. Entrepreneur:** Ms. Sen meticulously outlined the advantages and disadvantages of being an employee and an entrepreneur. This balanced approach helped students in critically evaluating their preferences and inherent strengths. Understanding the security of employment versus the risks and rewards of entrepreneurship became clearer, aiding students in making realistic and pragmatic decisions.
3. **Integration of Industry Insights:** The session provided valuable glimpses into the practical aspects of entrepreneurship, integrating real-world experiences. Ms. Sen's insights into Industry and Corporate Culture painted a vivid picture of the challenges and opportunities awaiting aspiring entrepreneurs. This exposure equipped students with a realistic perspective, enabling them to align their aspirations with the actual demands of the industry.

4. Navigating Career Choices: One of the prominent takeaways was the guidance on navigating the plethora of career options. Ms. Sen shared strategies for assessing personal passions, skills, and market demands. Students learned the importance of aligning their interests with market needs, ensuring a sustainable and fulfilling career journey.

5. Motivational Wisdom: Ms. Sen's personal journey served as a motivating factor for the students. Her experiences highlighted the resilience, determination, and continuous learning essential for both entrepreneurship and a successful corporate career. Her wisdom inspired students to embrace challenges, fostering a growth mindset and adaptability.

The career guidance webinar conducted by Ms. Devika Sen was instrumental in guiding students through the maze of career choices. By understanding the analogy of solving a puzzle, students learned the importance of comprehension in making informed decisions. The exploration of pros and cons, integration of industry insights, guidance on navigating choices, and the infusion of motivational wisdom collectively empowered students to approach their careers with clarity and confidence. This session significantly contributed to the overall objective of the MBA orientation module, equipping students with the essential skills to make well-informed and thoughtful career decisions.





Images from the expert career guidance webinar on career choice between entrepreneur and employee, MBA students clearing their doubt during Q&A session

CAREER COUNSELING SESSION WITH TRAINING & PLACEMENT OFFICER

Name of Event: Career Counseling Session with Training and Placement Officer

Date of Event: 15th September 2022

Hosted By: Department of Computer Science & Engineering

Name of Trainers: Mr. Chunnu Lal

Number of Participants: 62 students

On September 15th, 2022, the Department of Computer Science and Engineering at Quantum University organized a pivotal career counseling session with the Training & Placement Officer. This session, facilitated by mentors and experts within the university, aimed to provide crucial insights and guidance to 62 students regarding their professional trajectories.

Event Highlights:

The career counseling session served as a beacon for students, illuminating the path toward their professional aspirations. Expert placement officers engaged with students, delving into diverse topics essential for career readiness. Discussions spanned areas such as resume building, interview preparation techniques, industry-specific trends, and the evolving demands of employers. The interactive nature of the session allowed students to receive personalized guidance, honing their abilities to present themselves effectively to potential employers. Furthermore, the event acted as a gateway for students to explore internship opportunities, gaining profound insights into various industries and refining their career visions.

Learning Outcomes:

1. **Enhanced Job Market Understanding:** Students gained comprehensive knowledge about the intricacies of the job market, enabling them to align their skills and aspirations with industry demands effectively.
2. **Professional Skill Development:** Personalized guidance and mentorship equipped students with essential skills, such as resume writing and interview techniques, enhancing their employability and confidence.
3. **Internship Exploration:** The session facilitated exploration of internship opportunities, allowing students to delve into real-world work experiences, bridging the gap between academia and industry.
4. **Career Vision Refinement:** By understanding industry-specific trends and demands, students could refine their career visions, making informed decisions about their professional paths.
5. **Confidence and Readiness:** The knowledge and confidence gained during the session empowered students, making them better prepared to face the competitive job market and embark on successful professional journeys.

The career counseling session with the Training & Placement Officer at Quantum University played a pivotal role in shaping the career trajectories of the participating students. By providing invaluable insights, personalized guidance, and a platform for internship exploration, the event ensured that students are not only well-informed but also well-prepared to navigate the complexities of the professional world. Quantum University's commitment to enhancing students' employability was evident, reinforcing its reputation as a catalyst for successful careers in the ever-evolving job market.



In the picture Quantum Faculty members illuminating the path of participating students towards their professional aspirations

CAREER GUIDANCE WEBINAR ON EMPLOYABILITY INITIATIVE & TRAINING IN FINANCE AND INSURANCE SECTOR

Name of Event: Career Guidance Webinar on Employability Initiative

Date of Event: 25th August 2022

Hosted By: Department of Business Administration

Name of Trainers: Mr. Vinay Pal Singh

Number of Participants: 45 students

On August 25th, 2022, Quantum School of Business hosted a groundbreaking webinar focused on Career Guidance Webinar on the topic Employability Initiative & Training in the Finance and Insurance Sector. Attended by approximately 45 students from the School of Business, the event was a significant initiative by Quantum University to bridge the gap between academic learning and industry demands in the fields of finance and insurance.

Event Highlights:

The webinar provided a comprehensive platform for students, industry professionals, and experts to delve into the intricacies of the finance and insurance sectors. Expert speakers, well-versed in the nuances of the industry, shared their experiences and knowledge. Through meticulously planned interactive sessions, participants gained invaluable insights into the specific skill sets required by the industry, the evolving demands, and the latest trends shaping the finance and insurance sectors.

Learning Outcomes:

1. **Industry-Relevant Knowledge:** Participants acquired in-depth knowledge about financial markets, risk management strategies, insurance policies, and the application of financial technology in contemporary settings. This knowledge enhanced their understanding of industry intricacies.
2. **Skill Enhancement:** The webinar empowered attendees with the specific skill sets demanded by the finance and insurance sectors. From risk assessment techniques to financial market analysis, participants gained practical skills essential for professional success.
3. **Confidence and Preparedness:** Through engaging sessions and expert insights, attendees gained confidence in their abilities and a heightened sense of preparedness for the competitive job market. They were equipped to face the challenges posed by real-world scenarios.
4. **Networking Opportunities:** The event provided a platform for students to interact with industry experts, fostering valuable connections and opening doors for potential internships and job opportunities.

The Employability Initiative & Training in Finance and Insurance Sector webinar organized by Quantum School of Business emerged as a transformative event. By imparting industry-specific knowledge, enhancing essential skills, and boosting confidence levels, the Career Guidance webinar played a crucial role in shaping the future careers of the participating students. Quantum University's dedication to providing practical, industry-relevant education was evident, ensuring that students are well-prepared to excel in the dynamic and competitive fields of finance and insurance.



The webinar gave a boost of confidence to students who will soon set out build their careers in the corporate world

GUIDANCE ON CAREER OPPORTUNITY IN INTEGRATION OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING FOR MBA STUDENTS

Name of Event: Guidance on Career Opportunity in Integration of Artificial Intelligence and Machine Learning

Date of Event: 4th August 2022

Hosted By: Department of Business Administration

Name of Trainers: Mr. Rajit Sikka & Mr. Sushil Chandra (Head Academic Relation, India North TCS)

Number of Participants: 25 students

Guidance on Career Opportunity in Integration of Artificial Intelligence for MBA students was completed by Quantum School of Business on the 7th day of the MBA orientation continuum, 4th August 2022. The session featured industry experts, Mr. Rajit Sikka and Mr. Sushil Chandra, Head Academic Relation, India North at TCS. The focus of the lecture was on the integration of Artificial Intelligence (AI) and Machine Learning (ML) in the business landscape. Both speakers delved into the significance of data management facilitated by AI and how it serves as a competitive edge in the modern economy.

Key Learning Outcomes:

1. Understanding the Role of AI and ML in Business: Mr. Sikka and Mr. Chandra provided a comprehensive overview of AI and ML, elucidating their roles in modern businesses. Students gained insights into how these technologies are reshaping industries, optimizing operations, and enhancing decision-making processes.

2. Significance of Data Management: The trainers emphasized the importance of data as a valuable resource in today's business environment. They highlighted that while data is abundant, its real value lies in the ability to analyze and derive meaningful insights from it. AI and ML were presented as the key tools that enable businesses to extract actionable intelligence from data, making it a cornerstone of strategic decision-making.

3. Competitive Edge through Data Analysis: Mr. Sikka illustrated how AI-driven data analysis can provide companies with a significant competitive edge. By harnessing AI for data interpretation, businesses can identify patterns, trends, and customer behaviors that are crucial for staying ahead in the market. Students learned that the ability to make sense of data is a vital skill that can drive innovation and business growth.

4. Interactive Query Resolution: The session facilitated an interactive environment where students could actively participate by asking questions. Mr. Sikka and Mr. Chandra patiently addressed the queries,

providing clarifications and practical examples. This interaction encouraged a deeper understanding of the topics discussed and allowed students to connect theoretical knowledge with real-world applications.

5. Fostering Technological Literacy: The lecture played a pivotal role in fostering technological literacy among the MBA students. By understanding the practical applications of AI and ML in business contexts, students gained a broader perspective on the skills and knowledge necessary for the future job market. The session inspired students to explore these technologies further and consider their integration into their future careers.

Training on career guidance by Mr. Rajit Sikka and Mr. Sushil Chandra served as a valuable addition to the MBA orientation program, enriching students' understanding of the pivotal role played by AI and ML in the contemporary business landscape. The event not only expanded students' knowledge but also provided them with a platform to engage with industry experts, ask questions, and gain practical insights. The learning outcomes encompassed a deeper comprehension of AI and ML, the strategic significance of data management, the competitive advantage derived from data analysis, and the cultivation of technological literacy among the future business leaders. This session undoubtedly contributed significantly to preparing the MBA students for the challenges and opportunities of the digital age.







Pictures from the Career Guidance for MBA students on Integration of Artificial Intelligence and Machine Learning Workshop

CAREER GUIDANCE WEBINAR ON ENTREPRENEURSHIP FOR MBA STUDENTS

Name of Event: Career Guidance Webinar on Entrepreneurship

Date of Event: 8th August 2022

Hosted By: Department of Business Administration

Name of Trainers: Mr. Uttam Kesari (Director Palan-G Industries)

Number of Participants: 27 students

On the 10th day of the MBA orientation program at Quantum School of Business, a career guidance webinar was organized on 8th August 2022, featuring Mr. Uttam Kesari, Director of Palan-G Industries. The session centered on the topic of entrepreneurship, shedding light on the multifaceted nature of this skill and the critical factors that aspiring entrepreneurs must consider.

Key Learning Outcomes:

1. Understanding Entrepreneurship as a Composite Skill: Mr. Uttam Kesari emphasized that entrepreneurship is not merely a profession but a composite skill amalgamating various qualities and traits. Students learned that imagination, risk-taking ability, resource utilization, and technological awareness are integral components of entrepreneurial expertise. This holistic understanding broadened their perception of entrepreneurship beyond conventional business concepts.

2. Appreciating the Risk-Imagination Balance: The lecture highlighted the delicate balance between risk-taking and imaginative thinking. Mr. Kesari illustrated how successful entrepreneurs navigate uncertainties by leveraging their imagination while being cognizant of risks. Students gained insights into the importance of calculated risk-taking, innovation, and creative problem-solving in entrepreneurial ventures.

3. Integrating Factors of Production and Technological Developments: Mr. Kesari elucidated the significance of integrating various factors of production, including capital, land, labor, and intangible assets like scientific knowledge and technological advancements. Students learned that successful entrepreneurs adeptly utilize these resources, aligning them with market demands and technological developments to create innovative products or services.

4. Decision-Making Between Entrepreneurship and Employeeship: A critical learning outcome was the understanding that the choice between entrepreneurship and employeeship requires thoughtful consideration. Students were encouraged to reflect on their personal aspirations, risk tolerance, and

aptitude for innovation. Mr. Kesari's insights guided students in evaluating their own entrepreneurial potential and making informed decisions about their career paths.

5. Fostering a Culturally Rich Entrepreneurial Ecosystem: The session inspired students to envision entrepreneurship not just as an individual pursuit but as a cultural phenomenon. Kesari's talk encouraged the development of an entrepreneurial ecosystem within the institution, promoting creativity, innovation, and collaboration. Students were motivated to engage in entrepreneurial activities, fostering an environment of mutual support and learning.

The career guidance training by Mr. Uttam Kesari significantly enriched the MBA orientation program at Quantum School of Business. By delving into the nuanced aspects of entrepreneurship, students gained a comprehensive understanding of the multifaceted skill set required for successful ventures. The session's emphasis on imagination, risk management, resource utilization, and the integration of technological advancements served as a guiding light for aspiring entrepreneurs. Moreover, Mr. Kesari's insights enabled students to make well-informed decisions about their career paths, fostering a culture of entrepreneurship and innovation within the academic community. This session undoubtedly contributed to shaping the entrepreneurial mindsets of the future business leaders.





Insight pictures from the Career Guidance Training during the MBA Orientation Program 2022, Empowering Future Entrepreneurs

CAREER GUIDANCE WEBINAR ON WORLD ENTREPRENEUR DAY FOR MBA STUDENTS

Name of Event: Webinar on Entrepreneurship & Innovation on World Entrepreneur's Day

Date of Event: 20th August 2022

Hosted By: Department of Business Administration

Name of Trainers: Mr. Uttam Kesri AND Mr Munishwar Nath Gulat) Palan-G Industries Pvt. Ltd. And Silicon Media Infocomm, Ghaziabad.

Number of Participants: 37 students

On 20th August 2022, in commemoration of World Entrepreneurship Day, Quantum School of Business, in collaboration with IIC, organized a webinar under the theme 'Entrepreneurship & Innovation'. The event featured esteemed guest speakers Mr. Uttam Kesri, MD of Palan-G Industries, and Mr. Munishwar Nath Gulati, Founder and CEO of Silicon Media Infocomm. The program aimed to enlighten students and faculty about the foundational principles of entrepreneurship, emphasizing innovative thinking and overcoming common challenges in the entrepreneurial journey.

Key Learning Outcomes:

1. Entrepreneurial Insight and Innovative Thinking: Mr. Uttam Kesri shared his entrepreneurial journey, emphasizing the importance of thinking outside the box and nurturing innovative ideas. Attendees learned firsthand from a successful entrepreneur, gaining insights into the mindset and qualities essential for entrepreneurship. The session inspired creative thinking, encouraging students to explore unconventional approaches to problem-solving.

2. Understanding Business Fundamentals: The webinar provided a comprehensive understanding of fundamental aspects of entrepreneurship. Attendees learned about avoiding common pitfalls, effective idea pitching, product validation, and developing robust business models. These insights equipped participants with practical knowledge, preparing them to navigate the complexities of the entrepreneurial landscape.

3. Essay Competition Promoting Engagement: The essay competition conducted during the event encouraged active participation and critical thinking among students. Team "Warrior" emerged as the winner, showcasing their understanding of entrepreneurship and innovative concepts. Such activities fostered healthy competition and enhanced students' ability to articulate their ideas effectively.

4. Technical Insights for Entrepreneurial Ventures: Mr. Munishwar Nath Gulati provided technical guidance, shedding light on the technicalities and requirements involved in initiating a business. His expertise offered valuable insights into the technological aspects of entrepreneurship, bridging the gap

between innovation and its practical implementation. Attendees gained a deeper understanding of the technical requirements for their entrepreneurial ventures.

5. Interactive Q&A Session: The event facilitated an interactive question-and-answer session, allowing attendees to clarify doubts and seek expert advice. This engagement enhanced the learning experience, providing attendees with personalized insights tailored to their specific queries. The Q&A session encouraged active participation and knowledge exchange.

The World Entrepreneurship Day webinar organized by Quantum School of Business and IIC proved to be a resounding success, empowering attendees with valuable insights into entrepreneurship and innovation. Through the experiences shared by Mr. Uttam Kesri and the technical expertise offered by Mr. Munishwar Nath Gulati, participants gained a holistic understanding of the entrepreneurial landscape. The event not only enriched attendees' knowledge but also fostered a spirit of creativity, innovation, and determination among the students and faculty. The essay competition and interactive Q&A session further enhanced engagement and encouraged active participation, making the event an enriching and inspiring experience for everyone involved.





Moments from the Career Guidance Program on World Entrepreneurship Day Webinar at Quantum School of Business, Empowering Minds, Igniting Innovations.

CAREER COUNSELING ON MICRO, SMALL & MEDIUM ENTERPRISES (MSME) FINANCING FOR COMMERCE STUDENTS

Name of Event: Counseling on MSME financing

Date of Event: 17th September 2022

Hosted By: Department of Business Administration

Name of Trainers: Shri SP Singh (Banks Executive Trainer & Motivational Speaker Retired DGM PNB, Meerut)

Number of Participants: 40 students

On 17th September 2022, the Department of Commerce & Finance at Quantum University organized a transformative event: a Career Counseling on MSME (Micro, Small, and Medium Enterprises) financing. The lecture featured Shri S.P. Singh, a distinguished expert in the field, who shared valuable insights on the pivotal role of MSMEs in economic growth and development. The event aimed to enlighten students about MSME financing, government schemes, available instruments, and the challenges faced by the sector, inspiring them to consider entrepreneurship as a viable career path.

Key Learning Outcomes:

- 1. Understanding MSME's Role in Economic Growth:** Shri S.P. Singh emphasized the significance of MSMEs as engines of economic growth and equitable development. Students gained a comprehensive understanding of how these enterprises play a crucial role in fostering economic prosperity, creating employment opportunities, and contributing to the overall development of the nation.
- 2. Awareness of Government Initiatives:** The lecture shed light on various schemes and incentives introduced by the central government under the MSMED Act. Students learned about the support systems available to MSMEs, encouraging them to explore entrepreneurial ventures with the assurance of governmental backing. This knowledge empowered students to tap into available resources when planning their future enterprises.
- 3. Familiarity with Financing Instruments:** Shri S.P. Singh elucidated the different financial instruments accessible to SMEs and entrepreneurs. Students gained insights into the various funding options, aiding them in understanding the financial landscape of starting and sustaining a business. Understanding these instruments enhanced students' financial literacy and prepared them for real-world financial decision-making.
- 4. Prospects and Challenges in the MSME Sector:** Students were made aware of the current prospects and challenges faced by the MSME sector. This insight into the industry's dynamics equipped them with a realistic view of the entrepreneurial landscape, encouraging critical thinking and strategic planning.

Understanding the challenges enabled students to devise innovative solutions, preparing them for the complexities of the business world.

5. Inspiration for Future Entrepreneurs: Shri S.P. Singh's motivational talk inspired students to consider entrepreneurship as a viable and rewarding career option. His encouragement to embrace the challenges and explore the vast opportunities within the MSME sector ignited a sense of passion and determination among the attendees. Many students left the event with a newfound enthusiasm for entrepreneurial pursuits.

The MSME Financing career guidance proved to be an enlightening and inspiring event for the students of the Department of Commerce & Finance. Through Shri S.P.Singh's expertise, students gained valuable insights into the economic significance of MSMEs, government support systems, financing instruments, and the practical aspects of entrepreneurship. The event not only enhanced their knowledge but also fostered a spirit of innovation, resilience, and entrepreneurial leadership. The lecture served as a catalyst, empowering future entrepreneurs with the knowledge and motivation necessary to navigate the dynamic world of MSMEs.



The poster is divided into two main sections: a purple left side and a yellow right side. The purple section features the Quantum University logo at the top, a portrait of Shri SP Singh in the center, and his credentials below. The yellow section contains the organizing department, the title of the guest lecture, the date and time, and the venue. Logos for the Institutional Innovation Council and The Genesis Quantum University Innovation Council are also present.

Quantum UNIVERSITY
ROORKEE, INDIA

Shri SP Singh
Banks' Executive Trainer & Motivational Speaker,
Retired DGM Punjab National Bank, Meerut

The Future is exciting.

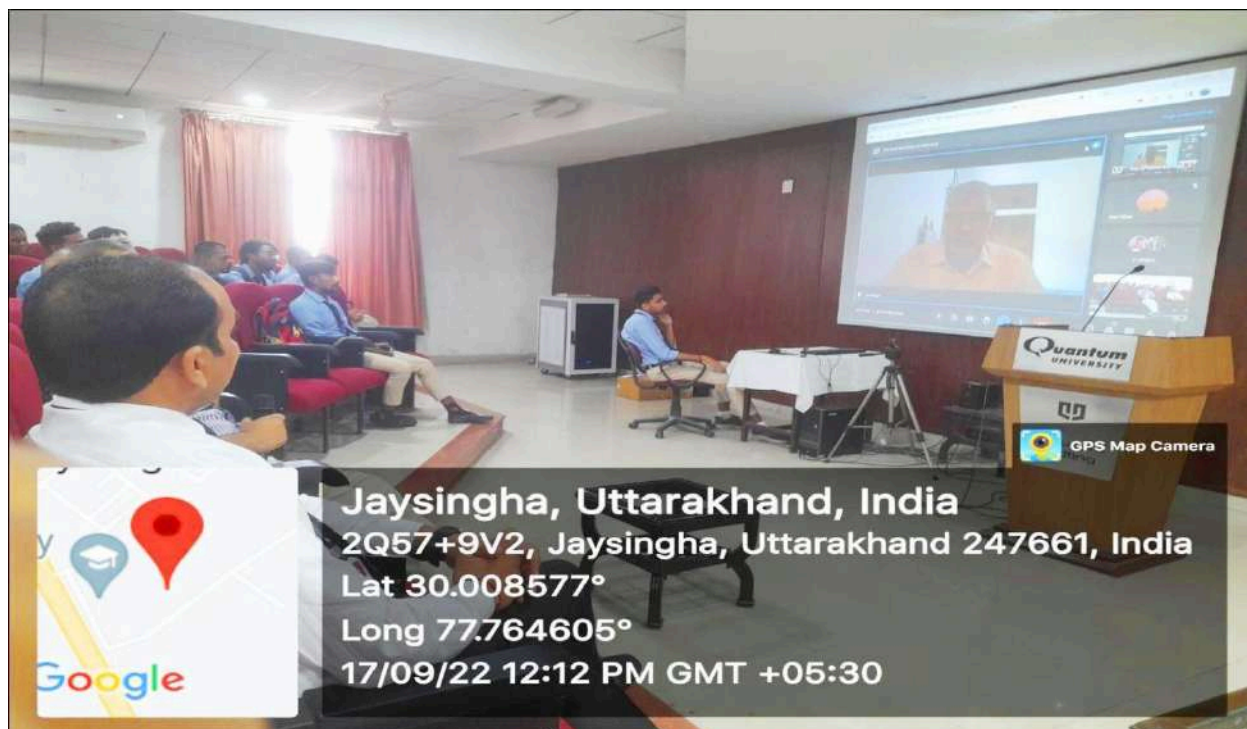
Associates
INSTITUTIONAL INNOVATION COUNCIL
THE GENESIS QUANTUM UNIVERSITY INNOVATION COUNCIL

Department of Commerce & Finance
organizing
Guest Lecture
on
"Micro Small & Medium Enterprises (MSME) Financing "

Saturday, 17th Sept, 2022 | 11:00am to 12:00 noon

Venue : Mini Auditorium





A glimpse into the career counseling session on MSME Financing, inspiring future entrepreneurs, one insight at a time

BOOT CAMP ON COMPETITIVE EXAM FOR B.COM, B.B.A & MBA (2021-2023) BATCH

Name of Event: Competitive Exam BOOT CAMP 2022

Date of Event: 9th to 14th May 2022

Hosted By: Department of Business Administration

Name of Trainers: Mr. Ashish Garg, Ms. Jaya Verma, Mr. Vaibhav Gupta, Ms. Ishita Pant, Mr. Lokesh Kumar Dass

Number of Participants: 210 students

From May 9th to May 14th, 2022, the Quantum School of Business (QSB) conducted a comprehensive competitive exam workshop titled "The Boot Camp" aimed at pre-final year students pursuing MBA, BBA, and B.COM degrees. The workshop, structured as an experiential learning program, focused on enhancing the employability skills of the students in preparation for their future careers.

Workshop Highlights:

Day 1: Advertising and Branding Oneself

- Mr. Kailash Chaudhary, Plant Head-HR at M/S Everest Industries Limited, Roorkee, delivered an expert talk emphasizing personal branding and navigating challenges in HR practices.
- Students engaged in structured assignments and task exercises to apply the concepts discussed.

Day 2: Quantitative Aptitude & Technical Know-hows

- Mr. Ashish Garg and Ms. Jaya Verma enlightened students on the importance of quantitative aptitude and technical skills for business executives.
- Post-lunch, students completed structured assignments and task exercises to reinforce their learning.

Day 3: Communication Skills

- Mr. Vaibhav Gupta & Ms. Ishita Pant delved into communication skills, addressing gaps and essential aspects.
- Students participated in assignments and exercises to enhance their communication abilities.

Day 4: Resume Building

- Mr. Lokesh Das, an expert trainer, guided students in building impactful resumes.
- Students crafted two resume formats, evaluated by faculty members post-lunch.

Day 5: Group Discussion Techniques

- Mr. Vaibhav Gupta & Mrs. Mohita Trehan shared insights on conducting effective group discussions, focusing on "sentiment-oriented" approaches.
- Students engaged in practical exercises to refine their group discussion skills.

Day 6: Mock Interview and Case Studies

- Mr. Lokesh Das led a session on mock interviews, sharing valuable tips and practical case studies.
- Students learned interview do's and don'ts, gaining insights into real-world scenarios.

Learning Outcomes:

1. **Enhanced Communication Skills:** Students developed an ideal communication style, honing their ability to express themselves effectively during interviews.
2. **Professional Balancing in Resume Building:** Participants acquired the skills to build professional and impactful resumes, showcasing their qualifications and experiences appropriately.
3. **Analytical and Reasoning Skills:** The workshop facilitated the development of analytical and reasoning skills, vital for problem-solving in the corporate world.
4. **Empathy and Teamwork in Group Discussions:** Students cultivated empathy and teamwork skills during group discussions, learning to navigate diverse perspectives effectively.

The Competitive Exam workshop proved to be a remarkable success, offering students a platform for hands-on learning and skill enhancement. The experiential, learn-by-doing approach ensured active participation and practical understanding. The event, despite challenges posed by the ongoing pandemic, demonstrated QSB's commitment to providing quality education and career preparation. The students emerged equipped with vital skills and knowledge, ready to embark on their future professional journeys. The event concluded with heartfelt gratitude expressed through a formal Vote of Thanks, marking the end of a fruitful and enriching workshop.





Insights picture from a week long Competitive Exam Boot Camp program to inject skills and confidence in final year students pursuing B.Com, B.B.A and M.B.A

COMPETITIVE EXAM & SMART BRAINS PLACEMENT TRAINING (B.TECH CSE BATCH 2019-23)

Name of Event: Competitive Exam & Smart Brain Placement Training

Date of Event: 9th to 25th June 2022

Hosted By: Department of Computer Science and Engineering

Number of Participants: 62 students

The Department of Computer Science and Engineering at Quantum University organized an intensive Competitive Exam training program specifically designed for B.Tech CSE final year students aiming to enhance their skills for the Competitive Exam through Smart Brains placements. Led by Dr. Satender Kumar, the training took place from June 9th to June 25th, 2022. Sixty-two students actively participated in this program, which focused on preparing students for online programming tests, technical interviews, and HR interviews.

Event Details:

The Competitive Exam Smart Brains training program was meticulously crafted to prepare students comprehensively for the challenges they might face during the placement process. The program covered a wide array of topics, including programming languages, coding exercises, mock technical sessions, and HR interview simulations. Dr. Satender Kumar, an esteemed faculty member, provided expert guidance to the students, ensuring they were well-prepared for every stage of the placement process.

Learning Outcomes:

- 1. Proficiency in Programming Languages:** Students enhanced their programming language skills through rigorous practice sessions and coding exercises, enabling them to tackle online programming tests effectively.
- 2. Technical Interview Preparedness:** Through mock technical sessions, students gained confidence in facing technical interviews. They were exposed to a variety of technical questions, allowing them to sharpen their problem-solving abilities and technical knowledge.
- 3. HR Interview Skills:** The program included HR interview simulations, enabling students to develop effective communication skills, present themselves confidently, and handle HR interview questions with poise.
- 4. Problem-Solving Abilities:** Students were challenged with complex coding problems, improving their analytical and problem-solving skills. This enhanced their ability to think critically and devise efficient solutions under pressure.

5. Confidence and Presentation Skills: Through continuous practice and feedback, students developed confidence in their abilities. They learned how to present their ideas clearly and convincingly, essential skills for both technical interviews and HR interactions.

The Competitive Exam Smart Brains Placement Training Program conducted by the Department of Computer Science and Engineering at Quantum University proved to be invaluable for the participating students. Under the expert guidance of Dr. Satender Kumar, students not only improved their technical knowledge and programming skills but also honed their problem-solving abilities and communication skills. The program's emphasis on practical preparation, including mock interviews and coding challenges, equipped students with the confidence and skills necessary to excel in Smart Brains placements. Quantum University's commitment to providing industry-relevant training and empowering students for successful careers was evident through the success of this program.



Smart Brains training program picture, students are learning to crack their coding test to in order to get selected in the organization

COMPETITIVE EXAM & PLACEMENT TRAINING FOR HCL TECHNOLOGIES (B.TECH CSE BATCH 2019-23)

Name of Event: Competitive Exam & Placement training For HCL Technologies

Date of Event: 7th to 12th February 2022

Hosted By: Department of Computer Science & Engineering

Number of Participants: 62 students

Quantum University, recognizing the significance of cracking competitive exams in placement opportunities, conducted a dedicated placement training program for the B.Tech CSE Batch 2019-2023. Organized by the Department of Computer Science and Engineering, this week-long training session took place from February 7th to February 12th, 2022. The program was meticulously designed to prepare students for the upcoming HCL placement drive, a process known for evaluating candidates on English language proficiency, coding skills, technical knowledge, and personal interviews.

Training Focus:

The training program was strategically structured to align with HCL's recruitment pattern. The focus was on strengthening fundamental concepts in Data Structures and Algorithms, Database Management Systems (DBMS), Operating Systems, Networking, Object-Oriented Programming (OOPs) concepts, and a programming language of the interviewee's choice. A significant emphasis was placed on enhancing coding skills, considering that candidates are expected to write code during the interview process.

Learning Outcomes:

- 1. Solidifying Core Concepts:** Students deepened their understanding of essential subjects like Data Structures, Algorithms, DBMS, Operating Systems, and Networking. Mastery of these fundamentals laid a strong foundation for technical interviews.
- 2. Strengthening Coding Proficiency:** Through intensive coding practice sessions, students honed their programming skills, enabling them to write efficient and error-free code during technical evaluations.
- 3. Language Proficiency and Communication Skills:** Emphasis was placed on English language proficiency to prepare students for written tests and interviews. In addition, mock personal interviews enhanced students' communication skills and confidence in articulating their ideas effectively.
- 4. Interview Preparation:** Mock personal interviews were conducted to simulate real interview scenarios. This practical exposure enabled students to refine their responses, build self-assurance, and present themselves impressively during actual interviews.
- 5. Individualized Preparation:** The training catered to the individual programming language preferences of students, ensuring personalized preparation aligned with their strengths and choices.

The HCL competitive exams & placement training program organized by the Department of Computer Science and Engineering at Quantum University was a resounding success. Through meticulous planning and tailored training modules, students were not only well-equipped with technical knowledge but also developed essential communication and problem-solving skills. The emphasis on individualized preparation and mock interviews ensured that students were confident and well-prepared for the HCL placement drive.

Quantum University's dedication to holistic student development and ensuring their success in the competitive job market was evident through this program. The training not only prepared students for the specific demands of the HCL recruitment process but also equipped them with valuable skills for their future professional endeavors.



A glimpse from the upcoming HCL placement drive training program

PLACEMENT TRAINING FOR HEXAWARE TECHNOLOGIES FOR (B.TECH CSE BATCH 2019-23)

Name of Event: Competitive Exam & Placement training For HEXAWARE Technologies

Date of Event: 8th to 13th August 2022

Hosted By: Department of Computer Science & Engineering

Number of Participants: 62 students

Quantum University's Department of Computer Science and Engineering conducted a specialized one-week training program from August 8th to August 13th, 2022, tailored for the B.Tech CSE (2019-23) Batch. The "Competitive Exam" training was meticulously designed to prepare 62 students for the upcoming HEXAWARE placement drive. The program focused on enhancing students' skills in on-spot code writing, technical interviews, and HR interviews, aiming to equip them thoroughly for the three crucial phases of the selection process.

Training Approach:

The Competitive Exam training program employed a strategic approach, utilizing previous year question papers as sample training test papers. These papers served as valuable resources, enabling students to familiarize themselves with the exam pattern and types of questions typically asked during the HEXAWARE placement process. Practical exercises, mock technical interviews, and simulated HR interviews were integral components of the training, offering students a comprehensive understanding of the expectations and challenges they might face during the actual recruitment.

Learning Outcomes:

- 1. Practical Coding Proficiency:** Students enhanced their coding skills through on-spot code writing sessions, enabling them to tackle coding challenges with precision and efficiency during the placement process.
- 2. Technical Interview Mastery:** Through mock technical interviews, students sharpened their technical knowledge and problem-solving abilities. Feedback and guidance provided during these sessions facilitated improvements, ensuring preparedness for real technical interviews.
- 3. HR Interview Preparation:** Simulated HR interviews equipped students with effective communication skills, enabling them to articulate their thoughts clearly and confidently. Students learned to handle HR questions professionally, enhancing their chances of success in this phase.
- 4. Stress Management and Time Efficiency:** Training sessions emphasized stress management techniques and time efficiency, helping students handle pressure situations with calmness and composure. These skills are crucial during technical interviews and on-spot coding challenges.

5. Confidence Building: The training program instilled confidence in students by exposing them to diverse interview scenarios. As students navigated mock interviews successfully, their confidence levels soared, enabling them to face the actual recruitment process with self-assurance.

The HEXAWARE Competitive Exam & Placement Training Program conducted by the Department of Computer Science and Engineering at Quantum University was a transformative experience for the participating students. Through practical exercises, simulated interviews, and comprehensive feedback, students not only acquired technical expertise but also developed invaluable soft skills. The training programs focus on practical application and real-world scenarios ensured that students were well-prepared to excel in the HEXAWARE placement drive. Quantum University's commitment to providing holistic education and preparing students for the competitive job market was evident through the success of this program. The skills and confidence gained by the students during this training will undoubtedly serve them well in their future professional endeavors.



Eyeball the proceedings of placement training program, focused to help students hone skills to crack HR interviews and their exams

COMPETITIVE EXAM & PLACEMENT TRAINING FOR RELIANCE JIO (B.TECH CSE BATCH 2019-23)

Name of Event: Placement training for Reliance Jio Company

Date of Event: 10th to 15th October 2022

Hosted By: Department of Computer Science & Engineering

Number of Participants: 62 students

Quantum University's Department of Computer Science and Engineering orchestrated an intensive one-week competitive exam & placement training program tailored for the B.Tech CSE (2019-23) Batch, held from October 10th to October 15th, 2022. This specialized training aimed to prepare 62 students for the upcoming Reliance Jio placement drive. The program's core focus encompassed on-spot code writing, technical interviews, and HR interviews, ensuring comprehensive readiness for all phases of the selection process.

Training Approach:

The training program employed a strategic approach, utilizing previous year question papers as sample training test papers. These papers served as invaluable resources, providing students with insights into the exam pattern and the types of questions typically encountered during the Reliance Jio placement process. The competitive exam training methodology included practical coding sessions, mock technical interviews, and simulated HR interviews, offering students a well-rounded understanding of the expectations and challenges they might face during the actual recruitment process.

Learning Outcomes:

- 1. Enhanced Coding Proficiency:** Through on-spot code writing sessions, students honed their coding skills, enabling them to tackle complex challenges with precision and efficiency during the placement process.
- 2. Technical Interview Excellence:** Mock technical interviews allowed students to refine their technical knowledge and problem-solving abilities. The feedback provided during these sessions facilitated improvements, ensuring their preparedness for real technical interviews.
- 3. Effective HR Interview Skills:** Simulated HR interviews equipped students with effective communication skills, enabling them to articulate their thoughts clearly and confidently. Students learned to handle HR questions professionally, increasing their chances of success in this phase.

4. Stress Management and Time Efficiency: Training sessions emphasized stress management techniques and time efficiency, equipping students to handle pressure situations with calmness and composure. These skills are vital during technical interviews and on-spot coding challenges.

5. Confidence Enhancement: The training program significantly boosted students' confidence levels by exposing them to diverse interview scenarios. As students navigated mock interviews successfully, their self-assurance soared, enabling them to approach the actual recruitment process with confidence.

The Reliance Jio Competitive Exam & Placement Training Program conducted by the Department of Computer Science and Engineering at Quantum University, was a transformative experience for the participating students. By focusing on both technical proficiency and soft skills, the training ensured students were well-prepared to excel in the challenging Reliance Jio placement drive. Quantum University's dedication to providing practical, real-world training was evident through the success of this program. The skills and confidence gained by the students during this training will undoubtedly serve them well in their future professional endeavors, reflecting the institution's commitment to holistic education and student success.



Quantum University preparing students for technical interviews, and HR interviews, ensuring comprehensive readiness for all phases of the selection process

PLACEMENT TRAINING SCHEDULE -FINAL YEAR BCA MCA AND B.TECH

Name of Event: Placement Training Schedule for Final Year Students

Date of Event: 12th to 17th October 2022

Hosted By: Department of Computer Science & Engineering

Number of Participants: 125 students (*B. Tech*= 62, *B.C.A*= 47 & *M.C.A*= 16)

Quantum University, in its continuous effort to enhance students' employability, conducted a specialized Competitive Exam & Placement Training program from October 12th to October 17th, 2022. The Department of Computer Science and Engineering orchestrated this event, preparing final year students (B.Tech: 62, B.C.A: 47, M.C.A: 16) for the imminent recruitment drives at Quantum Campus. A total of 125 students actively participated, benefiting from the program's comprehensive curriculum.

Training Focus:

The training program was meticulously designed to cater to the demands of software developer roles. Over the course of the week, students delved into fundamental programming languages, advanced coding techniques, interview skills, and technical knowledge. Assigned mentors from the placement and the concerned department of the university guided the students, ensuring a focused and effective learning experience.

Learning Outcomes:

- 1. Programming Proficiency:** Students honed their programming skills, gaining expertise in languages like C and Data Structure. They practiced problem-solving and critical thinking through MCQs and real-world coding scenarios.
- 2. Coding Expertise:** The training emphasized advanced coding techniques, enabling students to solve complex problems efficiently. Hands-on coding exercises and exposure to old placement papers prepared them for real-world challenges.
- 3. Interview Preparation:** Students developed strong interview skills, learning how to present their technical knowledge and problem-solving abilities effectively. Mock interviews and interview strategy sessions enhanced their confidence and readiness for interviews.
- 4. Technical Knowledge Enhancement:** In-depth technical knowledge, including data structures and algorithms, was a focal point. Students gained insights into industry-relevant topics, ensuring they were well-prepared for technical assessments during interviews.

5. Problem Solving and Critical Thinking: The emphasis on problem-solving and critical thinking equipped students to tackle diverse challenges. MCQ sessions and practical problem-solving exercises enhanced their analytical skills, vital for success in placement exams.

The Competitive Exam & Placement Training Program organized by the Department of Computer Science and Engineering at Quantum University was a resounding success. Its tailored approach, encompassing technical knowledge, problem-solving skills, and interview preparation, equipped students with a competitive edge. The emphasis on practical exercises, including solving real placement papers, provided students with a real-world understanding of the challenges they might face during recruitment.



Picture from Competitive Exam Placement training held at Quantum University

COMPETITIVE EXAM & PLACEMENT TRAINING J2EE B.TECH CSE BATCH (2020-2024)

Name of Event: Competitive Exam & Placement training J2EE

Date of Event: 7th to 12th November 2022

Hosted By: Department of Computer Science & Engineering

Number of Participants: 69 students

The Department of Computer Science and Engineering at Quantum University organized a comprehensive competitive exam & placement training program for the J2EE B.Tech CSE batch (2020-2024). This specialized program, designed to prepare students for competitive exams and enhance their skills, was attended by 69 students from the entire CSE batch. The primary objective was to provide students with practical knowledge in designing dynamic websites and mastering database connectivity.

Objectives: The main focus of this Project Lab was to teach students the intricacies of designing dynamic websites and implementing database connectivity. The expected outcomes included a deep understanding of OOPS concepts, implementation of database connectivity, Servlets programming, JSP programming, and creating dynamic web projects.

Learning Outcomes:

- 1. Proficiency in OOPS Concepts:** Students gained a thorough understanding of Object-Oriented Programming concepts, enabling them to create efficient and well-structured Java applications.
- 2. Database Connectivity Mastery:** Participants learned the intricacies of JDBC, becoming proficient in connecting Java applications with databases, executing queries, and handling database operations.
- 3. Servlet and JSP Proficiency:** Through hands-on sessions, students mastered Servlet and JSP programming, acquiring skills to develop dynamic web applications, manage user sessions, and interact with databases.
- 4. Dynamic Web Project Creation:** Students successfully learned to create dynamic web projects, including client and server-side validations, form submissions, and database interactions, enhancing their capabilities in real-world web development scenarios.

The J2EE Placement Training Program conducted by the Department of Computer Science and Engineering at Quantum University provided an intensive and immersive learning experience for students. By focusing on practical skills like database connectivity, Servlet and JSP programming, and dynamic web project creation, students were equipped with the essential skills needed for their future careers. This program not only enhanced their technical knowledge but also prepared them for the competitive placement landscape. Quantum University's commitment to providing industry-relevant education and practical skills was evident through the success of this program.

Course Structure

	Title: J2EE	L T P C 2 2 0 3
Version No.		
Course Prerequisites		
Objectives	The Main Objective of this Project Lab is to Design the Dynamic Websites and Database connectivity.	
Expected Outcome	<ul style="list-style-type: none"> Students will able to understand all OOPS Concepts Students will able implement database connectivity Students will able to implement Servlets Programming Students will able to implement JSP Programming Students will able to create Dynamic Web Project 	
Unit No.	Unit Title	No. of hours (per Unit)
Unit I	JAVA with OOPS	6
Introduction to OOPS, Object Oriented Design, Array, Classes & Objects, Inheritance, Polymorphism, Collections, Exceptions, Standard IO, File Handling. Netbean Project Configuration, Project Directory Structure		
Unit II	JDBC	6
JDBC Overview and Architecture, JDBC Driver Types, Driver interface, Connection interface., Statement interface., PreparedStatement interface. CallableStatement interface., ResultSet interface, Executing DDL and DML Commands.		
Unit III	Servlets (Container)	5
Servlet Overview, Life cycle of Servlet, Handling Web Form Data in Servlets, Dynamically including Content in Servlets, Handling Exception in Web Applications, Reading and Setting Cookies, Session Tracking, Servlet Filters, Accessing Data bases.		
Unit IV	JSP	5

Overview of JSP, JSP Architecture & Life cycle, Components of JSP Server Pages, Implicit Objects & Standard JSP Tags, Scope of JSP Objects, Dynamically including contents in JSPs, Handling Form Data in JSPs, Accessing Databases.		
Unit V	Dynamic Web Pages	4
Client and Server Side Validations, Form Submission, Insertion, Deletion, Updation in Database using webpages Dynamic Queries.		
Text Books	JDBC, Servlet , and JSP Includes JSF and Design Patterns, Black Book, Santosh Kumar K.Paperback	
Reference Books	Murach's Java Servlets and JSP, 3rd Edition	
Mode of Evaluation	Internal Examination	



Figure from Placement Training Program conducted by the Department of Computer Science and Engineering at Quantum University

AAYAM 2023 CAREER & SKILL TRAINING WORKSHOP

Name of Event: Career & Skill Training Workshop

Date of Event: 24th to 25th February 2023

Hosted By: Department of Computer Science and Engineering

Name of Trainers: Dr. Amrita kumari, Dr. Chandani Sharma (Assistant Professor, Department of CSE, Quantum University)

Number of Participants: 450 students

The Department of Computer Science and Engineering at Quantum University organized a two-day practical learning workshop from 24th to 25th February 2023. This workshop was specifically tailored for approximately 450 first-year students pursuing B.TECH, BCA, MCA, and DIPLOMA courses. The primary objective was to familiarize the students with various equipment and engage them in hands-on practical projects. The workshop took place in the Shyamji Auditorium and was meticulously coordinated by internal faculty members, Dr. Amrita Kumari, and Dr. Chandani Sharma, both Assistant Professors in the Department of CSE at Quantum University.

Workshop Focus:

The workshop centered around electrical workshop techniques, providing students with a comprehensive platform for practical applications. The activities included domestic wiring, fittings, drilling jobs, switchboard assembly, coil winding, as well as repair and maintenance tasks related to various electrical appliances. The laboratory was designed with a primary focus on learning. The experiments were meticulously crafted to demonstrate phenomena in different areas of the workshop, aiming to familiarize students with the usage of instruments. The participants were encouraged to conduct these tasks with enthusiasm, fostering a learning-oriented attitude.

Learning Outcomes:

- 1. Hands-on Practical Skills:** Students actively engaged in practical tasks such as domestic wiring, switchboard assembly, and repair work. This hands-on experience enhanced their technical skills and confidence in working with electrical components.
- 2. Exposure to Instruments and Tools:** Participants gained exposure to a variety of instruments and tools used in electrical workshops. This familiarity with equipment laid a strong foundation for their future projects and experiments.

3. Problem-Solving and Troubleshooting: Through activities like component testing and troubleshooting, students learned how to identify and solve issues in electrical devices and circuitries. This problem-solving skill is vital in the field of engineering.

4. Collaboration and Teamwork: Students worked collaboratively on projects, fostering teamwork and cooperation. These interactions enhanced their interpersonal skills and ability to work effectively in group settings.

5. Practical Application in Student Projects: The workshop equipped students with the knowledge and skills necessary for the assembly work, component testing, and troubleshooting of devices and circuitries. This practical knowledge could be directly applied to their ongoing and future projects.

The practical learning workshop in electrical workshop techniques proved to be a valuable experience for the participating students. Under the guidance of dedicated faculty members, students not only acquired essential practical skills but also developed problem-solving abilities and collaborative teamwork. The event successfully achieved its objective of providing a platform for hands-on learning and enhancing the students' understanding of electrical workshop practices. Such initiatives are essential in shaping well-rounded and skilled professionals in the field of engineering. Quantum University's commitment to providing practical learning opportunities was evident through the success of this workshop.



A view from the AYAAM 2023, the activities included domestic wiring, fittings, drilling jobs, switchboard assembly, coil winding etc

**COMPETITIVE EXAM TRAINING ON NUMERICAL ABILITY CLASSES FOR B.Sc (PCM), BCA, B.Sc (N&D),
B.Sc (Radiology), BA (Eco), BA (H) JM, B.Com & BBA (2021-24)**

Name of Event: Competitive Exam Training on Aptitude & Reasoning Classes

Date of Event: 25th to 27th January 2023

Hosted By: Department of Applied Medical Sciences, Department of Paramedical Sciences, Department of Business Administration & Department of Humanities and Social Sciences

Number of Participants: 345 students

From January 25th to January 27th, 2023, Quantum University organized a specialized Competitive Exam Training on Numerical Ability Training Program for students pursuing B.Sc (PCM), BCA, B.Sc (N&D), B.Sc (Radiology), BA (Eco), BA (H) JM, B.Com, and BBA (2021-24) who were preparing for competitive exams. A total of 345 students attended the classes, focusing on enhancing their numerical ability and mathematical skills.

Course Overview:

Course Title: Numerical Ability

Course Code: VP3101

Credit Hours: 2

Prerequisites: Nil

Objectives: The course aimed to provide students with a comprehensive understanding of basic quantitative aptitude and fundamental concepts of numerical ability. The primary goal was to enhance their mathematical skills and prepare them for various competitive exams.

Learning Outcomes:

- 1. Enhanced Quantitative Aptitude:** Students developed a strong foundation in quantitative aptitude, enabling them to solve complex numerical problems with ease and accuracy.
- 2. Improved Problem-Solving Skills:** Participants honed their problem-solving abilities, particularly in topics related to time and work, profit and loss, and algebra. They learned effective strategies to approach and solve numerical problems efficiently.
- 3. Proficiency in Mathematical Concepts:** The course deepened students' understanding of fundamental mathematical concepts such as square roots, percentages, and algebra. This knowledge was instrumental in solving a wide range of numerical problems.

4. Competitive Exam Readiness: The training program prepared students for various competitive exams by exposing them to diverse problem types and teaching them time-saving techniques. They gained confidence in tackling numerical sections in exams.

5. Enhanced Analytical Skills: Engaging with topics like quadratic equations and trigonometry improved students' analytical thinking. They learned to analyze complex problems and apply appropriate methods for solutions.

The Competitive Exam Training on Numerical Ability conducted by Quantum University was highly successful in equipping students with essential quantitative and numerical skills. The well-structured curriculum and engaging teaching methods facilitated effective learning. Students not only improved their mathematical abilities but also gained confidence in their problem-solving skills, essential for excelling in competitive exams. Quantum University's commitment to providing quality education and comprehensive exam preparation was evident through the success of this training program, preparing students for the challenges of the competitive world ahead.



Students were trained on Aptitude & Reasoning in a group of batches

Course Structure

VP 3101	Title: Numerical Ability	L T P C 2 0 0 2
Version No.	2.0	
Course Prerequisites	Nil	
Objectives	To provide an understanding of the basic quantitative aptitude and underlying concepts of numerical ability.	
Expected Outcome	The students will learn and improve their mathematical skills and also prepare themselves for various competitive exams.	
Unit No.	Unit Title	No. of hours (per Unit)
Unit I-	Square , Square root , Cube , Cube root ,, H.C.F. and L.C.M Simplification , Percentage	0 6
Unit II-	Average, Simple Interest, Compound Interest, Partnerships , Unit digit	08
Unit III-	Time and Work , Problem on Ages, Boats and Streams, Profit and Loss, Problem on Trains	07
Unit IV-	Time Speed and Distance, Problem on Trains ,Volume and Surface Areas, Pipes and Cisterns,	06
Unit V-	Linear Equations in Two Variables, Quadratic Equations, algebra, Trigonometry	08
Suggesting Readings:	1. R.S. Aggarwal, "Objective Arithmetic." S. Chand & Company New Delhi. 2. R.S. Aggarwal, "Verbal and Non-Verbal Reasoning." S.Chand & Company New Delhi 3. R.S. Aggarwal, "Quantitative Aptitude." S. Chand & Company New Delhi 4. R.D. Sharma, "Senior Secondary Mathematics" Vol: 1 and Vol: 2 New Delhi	
Mode of Evaluation	Internal and External Examinations	

**GD/PI Session For B.Sc (PCM), BCA, B.Sc (N&D), B.Sc (Radiology), BA (Eco), BA (H) JM, B.Com & BBA
(2020-23)**

Name of Event: Group Discussion and Personal Interview Session

Date of Event: 30th to 31st January 2023

Hosted By: Department of Applied Medical Sciences, Department of Paramedical Sciences, Department of Business Administration & Department of Humanities and Social Sciences

Name of Trainers: Mr. Vaibhav Gupta (Internal Faculty)

Number of Participants: 263 students

The Department of Applied Science and School of Graduation at Quantum University collaboratively organized a Competitive Exam Training on skill enhancement for students from January 30th to 31st. This program was specially tailored for students who are on the brink of entering the job market and will soon be facing challenging placement processes. The sessions were conducted by internal expert Mr. Vaibhav Gupta, focusing on crucial skills such as CV preparation, public speaking, presentation skills, and group discussions, among others.

Learning Outcomes:

- 1. Enhanced CV Writing Skills:** Students learned the art of crafting impactful CVs, gaining insights into the proper structure, content, and presentation, enhancing their employability.
- 2. Improved Presentation Skills:** Through newspaper reading, news narration, and article writing exercises, students honed their presentation skills, crucial for effective communication in professional settings.
- 3. Confident Public Speaking:** Sessions on extemporaneous speaking, debates, and group discussions boosted students' confidence, enabling them to express their ideas articulately.
- 4. In-Depth Knowledge on Current Affairs:** Engaging in discussions on social, political, and economic topics expanded students' awareness of current affairs, making them well-informed candidates during interviews.
- 5. Professional Grooming:** Tips on professional attire and mock interviews provided students with insights into the corporate world's expectations, preparing them for professional settings.

The Competitive Exam and Placement Preparation Program conducted by Quantum University served as a valuable opportunity for graduating students to refine their essential skills, preparing them for the competitive job market. The well-structured sessions, under the guidance of Mr. Vaibhav Gupta,

facilitated a comprehensive learning experience. Students not only improved their practical skills but also gained confidence and knowledge crucial for successful placements. Quantum University's commitment to empowering its students with holistic skills was evident through the success of this program, ensuring that the students are well-prepared and confident as they step into their professional careers.

Course Structure

S. No	SESSION CONTENT
UNIT 1	<ul style="list-style-type: none"> ● CV Preparation ● Chronological order in a CV. ● Do's & Don'ts in a CV
UNIT 2	<ul style="list-style-type: none"> ● Presentation Skills ● Newspaper Reading/ News Narration/ Ppt Presentation ● Article Writing
UNIT 3	<ul style="list-style-type: none"> ● Public Speaking ● Extempore ● Debate
UNIT 4	<ul style="list-style-type: none"> ● Group Discussion ● Discussions on Social/ Political/ Current affairs/ Economical topics
UNIT 5	<ul style="list-style-type: none"> ● Professional Grooming & Mock Interviews ● Tips on Professional attire for a Group Discussion & Interview ● Test of student's presentation skills, speaking skills, confidence, knowledge



Batches of students were trained on CV preparation, interview questions, public speaking and aptitude reasoning

**TRAINING FOR COMPETITIVE EXAMS ON NUMERICAL ABILITY CLASSES FOR B.TECH CSE, ME & CE
(2021-2025) BATCH**

Name of Event: Training for Competitive Exam on Numerical Ability Classes

Date of Event: 18th to 20th January 2023

Hosted By: Department of Computer Science & Engineering, Civil Engineering and Mechanical Engineering

Number of Participants: 191 students

Between January 18th and January 20th, 2023, Quantum University conducted a targeted Numerical Ability Training Program for the preparation of competitive exams. This program was designed for students enrolled in the Departments of Computer Science & Engineering, Mechanical Engineering, and Civil Engineering who were gearing up for competitive exams. A total of 191 students actively participated in these sessions, concentrating on improving their numerical ability and mathematical skills.

Course Overview:

Course Title: Numerical Ability

Course Code: VP3101

Credit Hours: 2

Prerequisites: Nil

Objectives: The course aimed to provide students with a comprehensive understanding of basic quantitative aptitude and fundamental concepts of numerical ability. The primary goal was to enhance their mathematical skills and prepare them for various competitive exams.

Learning Outcomes:

- 1. Enhanced Quantitative Aptitude:** Students developed a strong foundation in quantitative aptitude, enabling them to solve complex numerical problems with ease and accuracy.
- 2. Improved Problem-Solving Skills:** Participants honed their problem-solving abilities, particularly in topics related to time and work, profit and loss, and algebra. They learned effective strategies to approach and solve numerical problems efficiently.
- 3. Proficiency in Mathematical Concepts:** The course deepened students' understanding of fundamental mathematical concepts such as square roots, percentages, and algebra. This knowledge was instrumental in solving a wide range of numerical problems.

4. Competitive Exam Readiness: The training program prepared students for various competitive exams by exposing them to diverse problem types and teaching them time-saving techniques. They gained confidence in tackling numerical sections in exams.

5. Enhanced Analytical Skills: Engaging with topics like quadratic equations and trigonometry improved students' analytical thinking. They learned to analyze complex problems and apply appropriate methods for solutions.

The Numerical Ability Training Program for preparation of competitive exams conducted by Quantum University was highly successful in equipping students with essential quantitative and numerical skills. The well-structured curriculum and engaging teaching methods facilitated effective learning. Students not only improved their mathematical abilities but also gained confidence in their problem-solving skills, essential for excelling in competitive exams. Quantum University's commitment to providing quality education and comprehensive exam preparation was evident through the success of this training program, preparing students for the challenges of the competitive world ahead.



Glimpse of focussed classes on improving numerical ability and mathematical skills.

Course Structure

VP 3101	Title: Numerical Ability	L T P C 2 0 0 2
Version No.	2.0	
Course Prerequisites	Nil	
Objectives	To provide an understanding of the basic quantitative aptitude and underlying concepts of numerical ability.	
Expected Outcome	The students will learn and improve their mathematical skills and also prepare themselves for various competitive exams.	
Unit No.	Unit Title	No. of hours (per Unit)
Unit I-	Square , Square root , Cube , Cube root ,, H.C.F. and L.C.M Simplification , Percentage	0 6
Unit II-	Average, Simple Interest, Compound Interest, Partnerships , Unit digit	08
Unit III-	Time and Work , Problem on Ages, Boats and Streams, Profit and Loss, Problem on Trains	07
Unit IV-	Time Speed and Distance, Problem on Trains ,Volume and Surface Areas, Pipes and Cisterns,	06
Unit V-	Linear Equations in Two Variables, Quadratic Equations, algebra, Trigonometry	08
Suggesting Readings:	1. R.S. Aggarwal, "Objective Arithmetic." S. Chand & Company New Delhi. 2. R.S. Aggarwal, "Verbal and Non-Verbal Reasoning." S.Chand & Company New Delhi 3. R.S. Aggarwal, "Quantitative Aptitude." S. Chand & Company New Delhi 4. R.D. Sharma, "Senior Secondary Mathematics" Vol: 1 and Vol: 2 New Delhi	
Mode of Evaluation	Internal and External Examinations	

**TRAINING FOR COMPETITIVE EXAM ON APTITUDE & REASONING FOR B.TECH CSE, ME & CE
(2020-2024) BATCH**

Name of Event: Aptitude & Reasoning Classes

Date of Event: 12th to 14th December 2022

Hosted By: Department of Computer Science and Engineering, Mechanical Engineering & Civil Engineering

Number of Participants: 161 students

From 12th to 14th December 2022, the Departments of Computer Science & Engineering, Mechanical Engineering, and Civil Engineering at Quantum University collaborated to conduct a specialized training class aimed at enhancing the aptitude and reasoning abilities of their students who are preparing for national level competitive exams. A total of 161 students from these departments participated in this intensive training program.

Course Title: Aptitude & Reasoning Ability

Course Code: VP3401

Credit Hours: 2

Objectives: The course aimed to provide students with a solid understanding of basic reasoning concepts and mathematical reasoning. The primary goal was to prepare students for various competitive exams by enhancing their aptitude and reasoning abilities.

Learning Outcomes:

- 1. Enhanced Problem-Solving Skills:** Students developed advanced problem-solving skills through exercises involving number series, analogies, and logical sequences. They learned to approach complex problems systematically.
- 2. Improved Logical Reasoning:** The course strengthened students' logical reasoning abilities, evident in topics like blood relations, order and ranking, and sitting arrangement. They acquired the capacity to analyze information and draw logical conclusions.
- 3. Efficient Time Management:** By practicing various aptitude and reasoning exercises within a limited timeframe, students honed their time management skills. This skill is crucial for competitive exams where time constraints are a significant factor.
- 4. Confidence Building:** Engaging with diverse topics and successfully solving problems contributed to students' confidence levels. Confidence is pivotal for performing well in competitive exams and real-life scenarios.

5. Exam Preparation: The course equipped students with the knowledge and strategies needed to excel in competitive exams. They gained insights into different question patterns and learned effective techniques for approaching various types of aptitude and reasoning questions.

The Aptitude & Reasoning Ability Training Program conducted by the Departments of Computer Science & Engineering, Mechanical Engineering, and Civil Engineering at Quantum University was highly beneficial for the participating students. The comprehensive curriculum, focused teaching, and interactive learning methods significantly enhanced their aptitude and reasoning skills. These acquired skills not only prepare them for competitive exams but also empower them for future challenges in their academic and professional journeys. The event showcased Quantum University's commitment to providing holistic education and preparing students for success in various domains.



A glimpse from one of the classes on training class aimed at enhancing the aptitude and reasoning abilities

Course Structure

VP3401	Title: Aptitude & Reasoning Ability	L T P C 2 0 0 2
Version No.	2.0	
Course Prerequisites	Nil	
Objectives	To provide an understanding of the basic reasoning and underlying concepts of mathematical reasoning ..	
Expected Outcome	The students will learn and prepare themselves for various competitive exams.	
Unit No.	Unit Title	No. of hrs (per Unit)
Unit I-		05
Number Series, Letter Series, Analogies, Logical Sequence of Words, Direction Sense Test, Coding and Decoding		
Unit II-		07
Rule Detection, Blood Relation, Paper Folding, Mirror Images, Water Images, Cube , Dice, Order & Ranking		
Unit III-		05
Inequality , Syllogism , Sitting Arrangement Circle , Square , Line , Dictionary Order , Word Formation		
Unit IV-		05
Clock , Calendar , Counting of Triangle , Counting of Square , Counting of rectangle , Counting of Line		
Unit V-		06
Logical Venn Diagram, Statement and Course of Action, Statement and Assumption, Statement And Argument , Statement And Conclusion		
Suggesting Readings:	1. R.S. Aggarwal, "Objective Arithmetic." S. Chand & Company New Delhi. 2. R.S. Aggarwal, "Verbal and Non-Verbal Reasoning." S.Chand& Company New Delhi 3. R.S. Aggarwal, "Quantitative Aptitude." S. Chand & Company New Delhi 4. R.D. Sharma, "Senior Secondary Mathematics" Vol: 1 and Vol: 2 New Delhi	
Mode of Evaluation	Internal and External Examinations	

CAREER COUNSELING ON OPPORTUNITY IN RADIOLOGY

Name of Event: Career Counseling on Career Opportunity in Radiology

Date of Event: 20 March 2023

Hosted By: Department of Paramedical Sciences

Name of Trainers: Mr. Aditya Negi (Internal Faculty)

Number of Participants: 37 students

On 20th March 2023, the Faculty of Radiology, Department of Paramedical Sciences, and Quantum School of Health Sciences jointly organized a career counseling session on "Career Opportunities in Radiology Department." The event was a part of the university's guidance series, aiming to provide students with comprehensive insights into the diverse career paths within the field of radiology. The Trainers, Mr. Aditya Negi, an esteemed faculty member from the same department, led the session.

Key Learning Outcomes:

1. Understanding the Versatility of Radiology Careers: Mr. Aditya Negi provided an in-depth exploration of the varied sectors within radiology, enlightening students about the extensive opportunities available. Attendees gained insights into potential job avenues in both government and private sectors, emphasizing the broad spectrum of roles radiologists can occupy.

2. Career Prospects Beyond Clinical Practice: The lecture broadened students' understanding by highlighting diverse job profiles in addition to clinical practice. Mr. Negi elaborated on career prospects in research, diagnostics laboratories, and other specialized fields within radiology. Students learned about the wide array of options available, enabling them to make informed career choices.

3. Interactive Q&A Session Enhancing Clarity: The open question-and-answer session at the end of the lecture provided a platform for students to clarify doubts and seek additional information. This interactive segment enhanced participants' understanding, allowing them to address specific queries and concerns about potential career paths within the radiology domain.

4. Insight into Research and Development Opportunities: Mr. Negi shed light on the research-oriented roles within the radiology field. Students learned about the significance of research and development, understanding how radiologists contribute to advancing medical technologies. This insight encouraged students to consider innovative roles, fostering an interest in cutting-edge research.

5. Encouragement to Pursue Specializations: The lecture inspired students to consider specialized areas within radiology, such as interventional radiology, nuclear medicine, or pediatric radiology. Understanding the significance of these specializations encouraged students to explore advanced education and training, paving the way for expertise in specific niches.

The career counseling session on "Opportunities in Radiology Department" organized by the Faculty of Radiology, Department of Paramedical Sciences, and Quantum School of Health Sciences was instrumental in providing students with a comprehensive understanding of the diverse career trajectories within radiology. Through Mr. Aditya Negi's expertise, attendees gained insights into the versatility of radiology careers, spanning clinical practice, research, diagnostics, and specialized fields. The interactive session facilitated direct engagement, clarifying doubts and encouraging students to explore specialized areas within radiology. This event not only broadened students' horizons but also inspired them to consider innovative and research-oriented roles within the dynamic field of radiology.

S.NO	NAME OF THE STUDENT	YEAR/SEM
1	ABHINAV KASHYAP	III year st sem
2	ABHIRAM KUMAR YADAV	III year st sem
3	ADARSH SINGH	III year st sem
4	ADARSH KUMAR	III year st sem
5	ADARSH KUMAR	III year st sem
6	ADARSH KUMAR	III year st sem
7	KUMAR SURBHAS	III year st sem
8	KUMAR SURBHAS	III year st sem
9	MAHESH GOPAL	III year st sem
10	KARIM	III year st sem
11	KARIM HUSAIN	III year st sem
12	SANJAY SINGH	III year st sem
13	SHAKIR ALAM	III year st sem
14	SUNNY DIXIT WALE	III year st sem
15	SUNNY DIXIT WALE	III year st sem
16	TUNIKAM WAREGAN	III year st sem
17	UVAASH KATHIRAN	III year st sem
18	YASHVI KUMAR	III year st sem
19	ADITYA DAS	III year st sem
20	ADITYA DAS	III year st sem
21	AKANSHA ROSE	III year st sem
22	ALISHA WALE	III year st sem
23	ANSHU KAJ	III year st sem
24	ANURAG KUMAR	III year st sem
25	ANURAG KUMAR	III year st sem
26	ANURAG KUMAR	III year st sem
27	ANURAG KUMAR	III year st sem
28	ANURAG KUMAR	III year st sem
29	ANURAG KUMAR	III year st sem
30	PURVIA AGRAWAL	III year st sem
31	RAGHAV PRATAP	III year st sem
32	SATISH MANDAL	III year st sem
33	SERAJ AHMAD	III year st sem
34	SERAJ AHMAD	III year st sem
35	UDYAN SINGH	III year st sem
36	VANSH	III year st sem
37	VIDYANSHU TIWARI	III year st sem

*Dr. Anurag K. Singh
Cdr. A. Singh (Rtd.)
Head, Dept. of Paramedical Sciences*

Screenshot of attendance from the career guidance lecture for radiology students



Image from Guest Lecture on Career Opportunity in the field of Radiology

CAREER GUIDANCE ON OPPORTUNITIES IN PHARMA INDUSTRIES ON THE OCCASION OF WORLD PHARMACIST DAY

Name of Event: Career Guidance Opportunities in Pharma Industries

Date of Event: 27th September 2022

Hosted By: Department of Pharmacy

Name of Trainers: Mr. Niroj Nayan Padhy, Production Manager, Vance and Health Pharmaceuticals Private Limited Roorkee and Dr. Ashwani Jangra, Associate Professor, Gurukul Kangri Vishwavidyalya, Haridwar.

Number of Participants: 150 students

On 27th September 2022, the Department of Pharmacy at Quantum School of Health Sciences organized a vibrant and engaging event in celebration of World Pharmacy Day. The event featured a multitude of activities, including a Rangoli Competition, Poster Competition, and career counseling on Opportunities in Pharma Industries. The career counseling was conducted by industry experts, Mr. Niroj Nayan Padhy, Production Manager at Vance and Health Pharmaceuticals Private Limited, Roorkee, and Dr. Ashwani Jangra, Associate Professor at Gurukul Kangri Vishwavidyalya, Haridwar.

Training Highlights:

The career counseling focused on illuminating the attendees about the pharmaceutical industry's significance and the diverse career avenues it offers. Both speakers emphasized the industry's pivotal role in healthcare, underscoring how pharmaceutical companies contribute substantially to medical advancements, disease management, and overall public health. The discussion encompassed various sectors within the industry, ranging from research and development to manufacturing, sales, and marketing.

Key Insights Shared:

1. **Pharmaceutical Research:** The lecture highlighted the exciting prospects in pharmaceutical research, where scientists passionately work to develop groundbreaking drugs and therapies, contributing significantly to the advancement of medical science.
2. **Regulatory Affairs and Quality Control:** Importance of regulatory affairs and quality control in the pharmaceutical industry was emphasized. Ensuring that pharmaceutical products meet stringent standards and regulations is vital to maintain the industry's credibility and ensure public safety.
3. **Sales and Marketing:** The dynamic field of pharmaceutical sales and marketing was discussed in detail. Professionals in this area play a crucial role in promoting life-saving medications and building strong relationships with healthcare providers, ensuring that essential medicines reach those in need.

Learning Outcomes:

The event provided attendees with invaluable insights into the vast array of opportunities within the pharmaceutical industry. Key learning outcomes include:

1. **Understanding Industry Significance:** Attendees gained a deep understanding of the pharmaceutical industry's critical role in healthcare and its impact on medical advancements and public health.
2. **Diverse Career Paths:** Students learned about the diverse career paths available within the industry, ranging from research and development to regulatory affairs, quality control, sales, and marketing.
3. **Motivation for Future Careers:** The event served as motivation for students, encouraging them to pursue fulfilling and impactful careers within the pharmaceutical sector. By exploring various roles, attendees were inspired to consider their future paths in this vital industry.

In conclusion, the World Pharmacy Day celebration was a wholesome event that not only celebrated the pharmaceutical industry but also provided students with a comprehensive understanding of its significance and the exciting career opportunities it offers. The career counseling lecture, in particular, was instrumental in broadening the horizons of attendees and motivating them to contribute meaningfully to the pharmaceutical field in the future.



In the picture students attending Guest Lecture on career opportunities in Pharma Industries