

QUANTUM UNIVERSITY



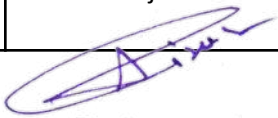
A REPORT ON CAREER COUNSELING AND GUIDANCE FOR COMPETITIVE EXAMS

**ACADEMIC YEAR
(2021-2022)**

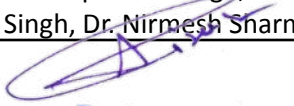
Following Career Counseling and Guidance for Competitive Exams Initiatives Are Undertaken By The Institution

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

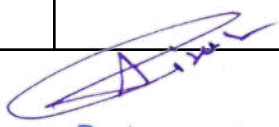
Capacity Enhancement, Preparation for Entrance Exams, Interview Skills and Resume Building Program	Year Of Implementation	Number Of Students Enrolled	Name Of The Agencies-Consultants Involved With Contact Details, If Any
Career Guidance On Recent Trend In Ev Battery Technologies And Entrepreneurship Opportunities	9 th April 2021	35 students	Department of Mechanical Engineering Mr. Vaibhav Karambelkar (EV Design Engineer, ISIE India, Noida, UP)
Career Opportunities in Automation In Industry By Pneumatics/Hydraulic System	14 th December 2021	45 students	Department of Mechanical Engineering Mr. Mukesh Kumar (Assistant Professor in ME & MTE Department)
Competitive Exam Preparation on Numerical Ability Class For B.Tech CSE, ME & CE (2020-24) Batch	19 th to 23 rd April 2021	161 students	Department of CSE, ME, CE Quantum University
Competitive Exam Preparation on Aptitude & Reasoning Class For B.Tech CSE, ME & CE (2019-2023) Batch	26 th to 30 th April 2021	78 students	Department of CSE, ME, CE Quantum University
Competitive Exam Preparation for GROUP DISCUSSION & PERSONAL INTERVIEW SESSION FOR B.TECH CSE, ME & CE (2019-2023) BATCH	3 rd to 7 th May 2021	78 students	Department of CSE, ME, CE Quantum University
Boot Camp I (Pre-Placement Training) B.Tech. CE Batch	2 nd to 4 th November 2021	23 students	Department of Civil Engineering Mr. Rajeev Chaudhary


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BOOT CAMP I (PRE-PLACEMENT TRAINING) B.TECH ME & MTE 4 th YEAR STUDENTS	23 rd to 28 th November 2021	13 students	Department of Mechanical Engineering Mr. Kannan, Dr Kamlesh Singh, Hari Krishna, Ankur Jain, Mukesh, Paritosh, Naveen Rana, Hari Krishna, Vivek Sharma, Raunak Gupta and Ankur Jain, Surinder saini
BOOT CAMP II (PRE-PLACEMENT TRAINING) B.TECH B.Tech. CE Batch	12 th October to 23 rd December 2022	8 students	Department of Civil Engineering Mr.Pavan Kumar Varshney & Mr. Iwansh Gupta
Technical Report Writing Workshop	15 th March to 20 th March 2021	22 students	Department of Humanities Mr. Lokesh Das, Mr. Vaibhav, Dr. Naznin, Ms. Jaya Verma,
Technical Vap I (Gate Training) (B.Tech Ce Batch 2019-23)	10 th February to 26 th April 2022	20 students	Department of Civil Engineering Mr.Pavan Kumar Varshney
TECHNICAL VAP I (GATE Training) FOR B.TECH ME BATCH (2019-23)	23 rd to 28 th November 2021	51 students	Department of Mechanical Engineering Mr. Kannan
Technical Vap II (SSC Training) (B.Tech Ce Batch 2018-22)	12 th October to 23 rd December 2022	21 students	Department of Civil Engineering Mr.Pavan Kumar Varshney
Virtual Student Career Development Program On "Life Skills Required For A Sustainable Career"	15 th January, 2022	250 students	Mr. Deep Mani Mishra, Sr. General Manager & Operations Head,, New Product Development, Avanti Bufa Limited, Roorkee.
Boot Camp, 2022 for B.Com, BBA & MBA Students	9 th to 14 th May 2022	120 students	Department of Business Administration and Department of Commerce & Finance Mr. Pushpender Singh, Dr. Ram Singh, Dr. Nirmesh Sharma


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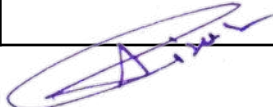
Placement Preparation Week (B.Sc (H) Pcm Batch 2 2019-22)	8 th to 17 th August 202	15 students	Department of Sciences Dr. Ajay Kumar, Dr. A.K Seth, Dr. Kulveer Rana, Dr. Chirag Malik, Dr. Anamika, Ms. Rakhi Tyagi, Dr. Kulveer Abhishek Agarwal, Mr. Vaibhav Gupta, Ms. Himani Tyagi, Dr. Dheeraj Rana, Dr. Manisha Dhyani and Mr. Vipin Saini
Boot Camp For Placement (Hss B.A. (H) English Batch 2019-22)	9 th to 14 th May 2022	16 students	Department of Humanities and Social Sciences
Competitive Exam Preparation Boot Camp For Placement (Hss B.A. (H) Psychology Batch 2019-22)	9 th to 14 th May 2022	23 students	Department of Humanities and Social Sciences
Placement Training-BCA and B.Sc 3rd Yr (TCS Exam)	3 rd to 12 th November 2021	28 Students	Department of Computer Application
Industrial Training for 3 rd Year, BHM Batch 2020-24)	12 th August 2021 to 11 th January 2022	2 Students	Department of Hospitality and Tourism
Industrial Exposure - On Job Training	3 rd December 2021 to 11 th May 2022	6 Students	Department of Hospitality and Tourism
Placement Training On Java 2 Platforms, Enterprise Edition (B.Tech. Cse Batch 2019-23)	25 th to 29 th October 2021	60 students	Department of Computer Science & Engineering


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Placement Training on PHP (B.Tech CSE Batch 2019-23)	12 th to 18 th October 2021	60 students	Department of Computer Science & Engineering
Technical Training For Placement Drive On Data Structures (B.Tech CSE Batch 2019-23)	24 th November 2021	66 students	Department of Computer Science & Engineering
Technical Training for Placement Drive in Maventic (B.Tech. CSE Batch 2018-22)	3 rd & 4 th December 2021	44 students	Department of Computer Science & Engineering Ms. Ishita Pant, Mr. Chunnu Lal, Mrs. Jaya Verma, Mr. Pundreekaksha Sharma and Mr. Naveen Rana
Training Program On Job Interview Skills	10 th December 2021	60 students	Department of Media Studies & Design Mr. Manoj Bansal, Mr. Pankaj Sharma
Placement Training For BMRIT Students	8 th to 10 th March 2022	29 students	Department of Applied Sciences Ms. Neelam, Mr. Aditya Negi, Miss Dexsha, Mr. Hemant Adhikari, Mrs. Mohita Vij and Mr. Ashish Garg
Preparation For Placements (BBA Batch 2019-22)	23 rd to 28 th November 2022	61 students	Department of Business Administration Mr. Vaibhav Gupta, Dr. Sachin Chauhan, Mr. Lokesh Das

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			Mr.Mohita Trehan and Mr. Ishita Pant
Technical Training On Commercial Seed Production	15 th December 2021	80 Students	Department of Agricultural Studies Dr. Rajendra Kumar Abhimanyu Seeds Pvt. Ltd., Meerut road, Hapur, Uttar Pradesh
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 (2020-23)	6 th to 10 th December 2021	263 Students	3 Year Program Quantum University
GROUP DISCUSSION AND PERSONAL INTERVIEW PREPARATION CLASSES For B.Sc (PCM), BCA, B.Sc (N&D), B.Sc (Radiology), BA (Eco), BA (H) JM, B.Com & BBA (2019-22)	27 th November 2021	289 Students	3 Year Program Quantum University


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CAREER GUIDANCE ON RECENT TREND IN EV BATTERY TECHNOLOGIES AND ENTREPRENEURSHIP OPPORTUNITIES

Name of Event: Career Guidance on Recent Trend in EV Battery Technologies and Entrepreneurship Opportunities

Date of Event: 9th April 2021

Hosted By: Department of Mechanical Engineering

Name of Trainers: Mr. Vaibhav Karambelkar (EV Design Engineer, ISIE India, Noida, UP)

Number of Participants: 35 students

On 9th April 2021 the Department of Mechanical Engineering at Quantum University organized a career guidance session on "Recent Trends in EV Battery Technologies and Entrepreneurship Opportunities" with the aim of raising awareness in the field of Electric Vehicle (EV) Battery Technologies and exploring entrepreneurship prospects within this burgeoning industry.

Guest Speaker: Mr. Vaibhav Karambelkar, an esteemed EV Design Engineer from ISIE India, Noida, UP, was the guest speaker for the webinar. Mr. Karambelkar brought a wealth of expertise to the discussion, making him an ideal choice to guide the audience through the complexities of EV batteries.

Key Lecture Highlights: The training proved to be a valuable learning experience for the attendees. Mr. Karambelkar's presentation was structured around addressing the various challenges associated with battery packs in the context of electric vehicles. The lecture encompassed the following key points:

1. **High Voltage Battery Overview:** The lecture began with an insightful overview of high voltage batteries, providing the audience with a solid foundation in understanding the core components of EV battery technology.
2. **Research Areas in EV Battery Technologies:** Mr. Karambelkar delved into the diverse research areas within the realm of EV battery technologies. He emphasized the significance of staying updated with the latest advancements and innovations in this field.
3. **Energy Density, Costing, and Charging Time:** The importance of factors like energy density, cost-effectiveness, and charging time in the development and adoption of EV battery solutions were thoroughly explained. These factors play a crucial role in shaping the future of electric vehicles.

4. **Comprehensive Insights:** The lecture was replete with comprehensive details about electric vehicle batteries, catering to the intellectual curiosity of the audience. It was an engaging and interactive session to encourage active participation.

Audience Participation: The webinar attracted 35 enthusiastic students from the engineering department of Quantum University. Furthermore, the faculty members of Quantum University also attended the lecture, benefiting from the valuable insights provided by the guest speaker. The interactive nature of the lecture allowed students to ask questions and engage in meaningful discussions, enhancing their understanding of the subject matter.

Learning Outcomes:

1. The session successfully raised awareness among students and faculty about the latest trends in EV battery technologies and entrepreneurship opportunities in the field.
2. Attendees gained a deeper understanding of critical factors such as energy density, costing, and charging time that impact the development and adoption of EV battery solutions.
3. The lecture inspired students to explore various research areas within EV battery technologies, encouraging academic and professional growth.
4. The interactive nature of the session fostered active participation, allowing students to engage in meaningful discussions and ask questions.
5. Attendees were motivated to consider entrepreneurial ventures in the EV battery sector, recognizing the potential for innovation and business development.
6. Faculty members of Quantum University also benefited from the insights shared during the lecture, enriching their knowledge of the evolving EV battery industry.
7. The lecture contributed to the advancement of the electric vehicle industry by nurturing curiosity and entrepreneurial spirit among the university's students and faculty.



Webinar On
Recent Trend in EV Battery Technologies
and
Entrepreneurship Opportunities

Speaker :
Mr. Vaibhav Karambelkar
EV Design Engineer, ISIE India, Noida, UP

Saturday, 4th September, 2021 | Live at 3:00PM

Organised By :
Department of Mechatronics Engineering
&
Institute Innovation Council, Quantum University

Go Green

IMPORTANCE OF ENERGY DENSITY

GASOLINE	CNG	BATTERY
gm/kwh – 210;	gm/kwh- 200;	Considering 18650 cell Weight- 49gm each; Energy output- 10.8wh;
<ul style="list-style-type: none"> For 10 kwh energy generation: gasoline- 2.1 kg; gasoline- 1.638 ltr; 	<ul style="list-style-type: none"> For 10 kwh of energy generation: CNG required is 2 kg; in litres- 1.4; 	For 10 kwh battery pack; <ul style="list-style-type: none"> No of cells – 10000/10.08; 925 cell approx.; Weight of all cells – 48.51 kg Price of a cell-Rs 150; 150*925= around 1.5 lac

39:24

People

Share Invite

Currently in this meeting (36)

- DS Dr. Kamlesh Singh (Guest)
- AT Abhishek tyagi (Guest)
- AD ACRC DEPARTMENT Organizer
- A AK (Guest)
- A Anjali (Guest)
- AJ Ankur Jain (Guest)
- AC Arun Chaurasiya (Guest)
- A ASRAR (Guest)
- DP Divya Prabhat (Guest)
- D Dr.ChandaniSharma

+29 V DV M V AD A

vaibhav (Guest) ACRC DEPARTMENT Anjali (Guest)

Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy

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Aufbau der Hochvolt-Batterie
Overview of the high-voltage battery

Diagram labels:

- Deckel (Cover)
- Strom-Abgabe/Batterien-Release (Current output/Battery release)
- Strom-Management-Controller (Current management controller)
- Leistungselektronik (Power electronics)
- Wärmedämmung (Heat insulation)
- Zellmodul (Cell module)
- Wärmeableitung (Heat dissipation)
- Kühlflügel (Cooling fan)
- Wärmeschutz (Heat protection)
- Gefahr-Schild (Danger sign)

3D model of battery cells.

11:51

People

Share Invite

Currently in this meeting (36)

- RS Ritesh Saini (Guest)
- S sarthak (Guest)
- SS Shashank Shah (Guest)
- S Shivani (Guest)
- SP Soumyadeep Pramanik (Guest)
- SK Suresh Kumar (Guest) On hold
- V vaibhav (Guest)
- V vaibhav(SID) (Guest)
- VT Vansh Tyagi (Guest)
- VS Vikas Sharma (Guest)

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Screenshots from the eye opener on career opportunity in “Recent Trend in EV Battery Technologies and Entrepreneurship Opportunities”

WORKSHOP ON CAREER OPPORTUNITY IN AUTOMATION IN INDUSTRY BY PNEUMATICS/HYDRAULIC SYSTEM

Name of Event: Career Opportunity in Automation in Industry by Pneumatics/Hydraulic System

Date of Event: 14th December 2021

Hosted By: Department of Mechanical Engineering

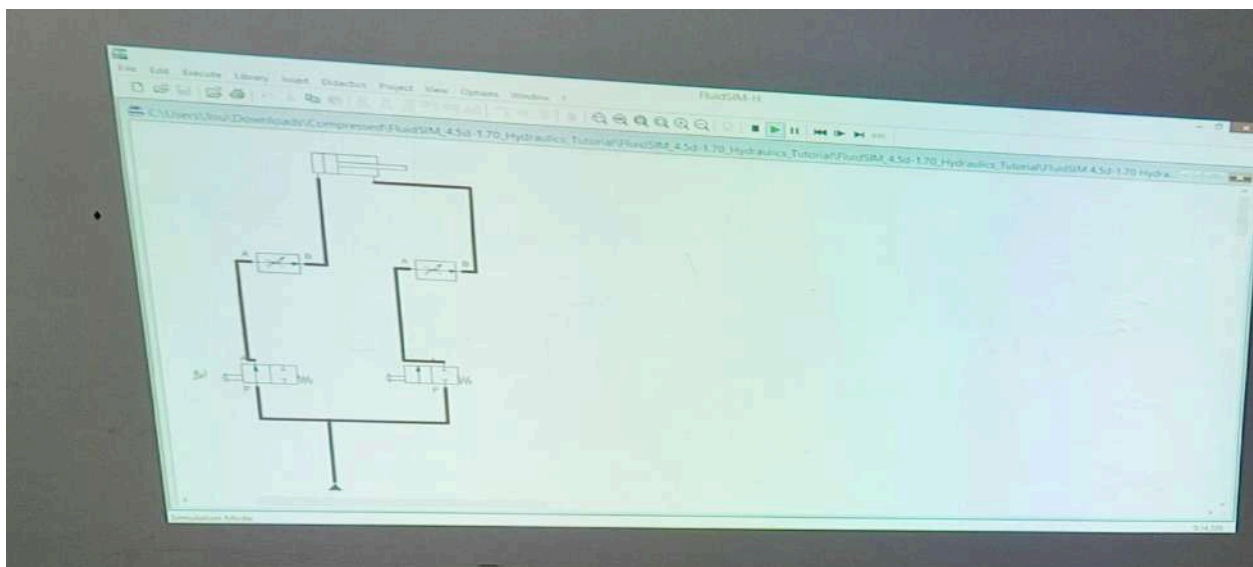
Name of Trainers: Mr. Mukesh Kumar (Assistant Professor in ME & MTE Department)

Number of Participants: 45 students

The Department of Mechanical Engineering at Quantum University organized a workshop on Career Opportunity in the Automation industry in "Pneumatic and Hydraulic Systems" on 14th December 2021. The event attracted over 45 students from various academic years, including B.Tech 2nd, 3rd, and final-year students in Mechanical and Mechatronics Engineering (ME+MTE), along with the participation of two faculty members. This report outlines the major outcomes and significance of the workshop.

Learning Outcomes of the Event:

1. **Diverse Participation:** More than 45 students from different academic levels, including B.Tech 2nd, 3rd, and final-year students, actively engaged in the workshop. This diverse participation demonstrated the broad appeal of the event among students specializing in Mechanical and Mechatronics Engineering.
2. **Educational Significance:** The workshop underscored the educational significance of practical events like these. It provided students with hands-on experience and exposure to real-world applications of pneumatic and hydraulic systems, enhancing their academic journey.
3. **Expert Insights:** Mr. Mukesh Kumar, an Assistant Professor in the ME & MTE Department, shared his expertise on pneumatic and hydraulic systems. He emphasized their growing importance in modern industries, even though they may appear complex to the general population.
4. **Comprehensive Understanding:** The workshop delivered a comprehensive understanding of pneumatic and hydraulic systems. It covered their benefits, functionalities, and applications in various mechanical processes, equipping students with valuable knowledge.
5. **Practical Component:** The inclusion of pneumatic circuit simulation enriched the learning experience. Students had the opportunity to apply theoretical knowledge practically, fostering a deeper understanding of the technology.
6. **Collaborative Effort:** The workshop was a collaborative effort led by Mr. Mukesh Kumar, with assistance from Rohan Deb Modal, a final-year B.Tech-MTE student. This collaborative approach encouraged interaction, knowledge sharing, and a dynamic learning environment.





Images from deep knowledge penetrating workshop on Career Opportunity Automation Industry by Pneumatics/Hydraulic Systems

NUMERICAL ABILITY CLASS FOR B.TECH CSE, ME & CE (2020-24) BATCH

Name of Event: Numerical Ability Class

Date of Event: 19th to 23rd April 2021

Hosted By: Department of CSE, ME, CE

Number of Participants: 161 students

In an endeavor to enhance the academic performance of B.Tech students Learning in Computer Science Engineering (CSE), Mechanical Engineering (ME), and Civil Engineering (CE) branches, a specialized Numerical Ability Class was conducted for the 2020-2024 batches. The class aimed to strengthen students' skills in quantitative aptitude, a crucial area applicable in various competitive exams and real-world problem-solving.

Training Objectives

The Numerical Ability Class was structured with the following objectives:

1. **Fundamental Understanding:**
 - To impart a comprehensive understanding of fundamental concepts such as squares, square roots, cubes, cube roots, highest common factors (H.C.F.), lowest common multiples (L.C.M.), simplification, and percentages.
2. **Mathematical Proficiency:**
 - To enhance students' mathematical skills in areas including averages, simple interest, compound interest, partnerships, unit digits, time and work, problem-solving related to ages, boats and streams, profit and loss, time-speed-distance, volume and surface areas, and linear equations.
3. **Preparation for Competitive Exams:**
 - To prepare students for various competitive exams where numerical ability is a key component, enabling them to perform well in such assessments.

Learning Outcomes

1. **Enhanced Quantitative Aptitude Skills:**
 - Students developed a strong foundation in fundamental mathematical concepts, enabling them to solve complex problems related to squares, cubes, percentages, and simplifications.
 - Proficiency in calculating averages, interests, and other quantitative parameters was honed, enhancing students' ability to handle numerical challenges effectively.
2. **Problem-Solving Abilities:**
 - Through the application of concepts in real-world scenarios such as profit and loss, time-speed-distance, and volume calculations, students honed their problem-solving skills.
 - The class equipped students with the ability to approach diverse numerical problems with confidence and accuracy.
3. **Competitive Exam Readiness:**

- Students were prepared for competitive exams where numerical ability is a critical section. They gained strategies to tackle questions related to arithmetic, algebra, and trigonometry effectively.
- Confidence in facing competitive exams was bolstered, enhancing the likelihood of success in these assessments.

The Combined Numerical Ability Class successfully empowered 161 students from the CSE, ME, and CE branches of the 2020-2024 batch with enhanced quantitative aptitude skills. By focusing on fundamental concepts and their practical applications, the class prepared students not only for academic excellence but also for various competitive exams. The active participation and enthusiasm displayed by the students, coupled with the dedicated efforts of the teaching faculty, were instrumental in achieving the program's objectives.



Glimpse of class aimed to strengthen students' skills in quantitative aptitude

Course Outline:

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	

APTITUDE & REASONING CLASS FOR B.TECH CSE, ME & CE (2019-2023) BATCH

Name of Event: Aptitude & Reasoning Class

Date of Event: 26th to 30th April 2021

Hosted By: Department of CSE, ME, CE Quantum University

Number of Participants: 78 students

In an effort to enhance the academic performance of B.Tech students Learning in Computer Science Engineering (CSE), Mechanical Engineering (ME), and Civil Engineering (CE) branches, a specialized Aptitude and Reasoning Class was conducted for the 2019-2020 batches. The primary objective of this class was to strengthen students' skills in mathematical reasoning, a vital area applicable in various competitive exams and crucial for real-world problem-solving scenarios.

Training Objectives

The Aptitude and Reasoning Class was structured with the following objectives:

1. **Understanding Basic Reasoning:**
 - To provide students with a comprehensive understanding of fundamental concepts in mathematical reasoning such as number series, letter series, analogies, coding and decoding, and logical sequence of words.
2. **Advanced Reasoning Techniques:**
 - To teach advanced reasoning techniques including rule detection, blood relation, paper folding, mirror images, cube and dice problems, and order & ranking puzzles.
3. **Problem-Solving in Complex Scenarios:**
 - To enable students to solve reasoning problems related to sitting arrangements, inequalities, syllogism, logical Venn diagrams, statement and course of action, assumption, argument, and conclusion.
4. **Preparation for Competitive Exams:**
 - To prepare students for various competitive exams where aptitude and reasoning sections are critical, ensuring they can approach such questions with confidence and accuracy.

Learning Outcomes

1. **Comprehensive Reasoning Skills:**
 - Students developed a strong foundation in fundamental reasoning concepts, enabling them to tackle diverse problems related to number series, analogies, and coding and decoding with ease.

- Proficiency in advanced reasoning topics such as blood relations, paper folding, and logical Venn diagrams was achieved, allowing students to handle complex scenarios effectively.

2. **Problem-Solving Abilities:**

- Through the application of reasoning concepts in real-world scenarios, students honed their problem-solving skills, ensuring they could approach a wide array of problems methodically and logically.
- The class equipped students with the ability to analyze complex patterns, enabling them to deduce solutions efficiently.

3. **Competitive Exam Readiness:**

- Students were prepared for competitive exams where aptitude and reasoning are crucial sections. They gained strategies to tackle questions related to logical sequences, seating arrangements, and complex puzzles effectively.
- Confidence in facing competitive exams was bolstered, enhancing the likelihood of success in these assessments.

The Aptitude and Reasoning Class successfully empowered students from the CSE, ME, and CE branches of the 2019-2020 batches with enhanced reasoning and problem-solving skills. By focusing on fundamental and advanced reasoning concepts, the class prepared students not only for academic excellence but also for various competitive exams. The active participation and enthusiasm displayed by the students, coupled with the dedicated efforts of the teaching faculty, were instrumental in achieving the program's objectives.



Dedicated efforts to help students reach optimum performance to face interviews and competitive exams

Course Outline:

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	

COMPETITIVE EXAM PREPARATION WITH GROUP DISCUSSION & PERSONAL INTERVIEW CLASS FOR B.TECH CSE, ME & CE (2019-2023) BATCH

Name of Event: Competitive Exam Preparation With Group Discussion & Personal Interview

Date of Event: 3rd to 7th May 2021

Hosted By: Department of CSE, ME, CE

Number of Participants: 187 students

In a continued effort to enhance students' abilities to perform optimally in competitive exam and placement interviews and secure their dream jobs, the departments of Computer Science Engineering (CSE), Mechanical Engineering (ME), and Civil Engineering (CE) organized specialized Group Discussion and Personal Interview skill building classes for the B.Tech CSE, ME & CE (2019-2023) Batch. The primary objective of this program was to equip students with essential skills such as effective presentation, public speaking, handling challenging interview questions, and building impressive resumes.

Learning Outcomes

1. **Effective CV Writing:**
 - Students mastered the art of crafting impactful resumes, ensuring they could present their qualifications and experiences in a compelling manner to potential employers.
2. **Confident Presentation Skills:**
 - Through rigorous training, students gained confidence in delivering presentations, whether through speeches, news narration, or PowerPoint presentations. They learned to convey information effectively.
3. **Enhanced Public Speaking:**
 - Activities like extempore speaking and debates honed students' public speaking skills, enabling them to express their ideas clearly, concisely, and persuasively.
4. **Analytical Thinking in Group Discussions:**
 - Engaging in discussions on various topics enhanced students' analytical thinking. They learned to consider multiple perspectives, developing their ability to articulate well-founded arguments.
5. **Professional Interview Readiness:**
 - Through mock interviews, students received feedback on their presentation skills, confidence, and knowledge. This practical experience prepared them to face real job interviews with poise.

Course Outline

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

The Group Discussion and Personal Interview Skill Building Classes successfully equipped the B.Tech CSE, ME & CE (2019-2023) Batch students with essential skills for competitive exams and job placements. By focusing on effective communication, analytical thinking, and professional grooming, the program ensured that students were well-prepared to excel in group discussions and personal interviews. The active participation and enthusiasm of the students, along with the guidance provided by the faculty, were instrumental in the program's success.



Peek into the world of Group Discussion and Personal Interview Skill Building Classes

BOOT CAMP I (PRE-PLACEMENT TRAINING) B.TECH CIVIL & PETROLEUM 7 SEM STUDENTS

Name of Event: Boot Camp I (Pre-Placement Training)

Date of Event: 2nd to 4th November 2021

Hosted By: Department of Civil Engineering

Name of Trainers: Mr. Rajeev Chaudhary

Number of Participants: 23 students

From 2nd to 4th November 2021, the Department of Civil & Petroleum Engineering at Quantum University organized an intensive BOOT Camp aimed at enhancing the skills to crack competitive exams and employability of students pursuing B.Tech in Civil and Petroleum Engineering. This program focused on Technical VAP II, aptitude reasoning, and mock interview sessions. The initiative was designed to prepare 7th-semester students for their upcoming placements, equipping them with technical knowledge, aptitude skills, and interview expertise.

Program Overview:

- **Duration:** 2nd to 4th November 2021
- **Participants:** B.Tech 7th Semester students from Petroleum Engineering and Civil Engineering branches.

Program Highlights:

1. **Technical VAP II Training:** Experienced faculty members conducted intensive training sessions on Technical VAP II, providing students with in-depth knowledge and practical insights into the subject matter. These sessions were tailored to enhance the technical competencies of the students in both Civil and Petroleum Engineering disciplines.
2. **Aptitude Reasoning Sessions:** The program included aptitude reasoning sessions facilitated by faculty experts. Students were introduced to various aptitude topics, enhancing their problem-solving abilities and analytical skills. Practical exercises and real-life problem-solving scenarios were integrated to make the learning experience engaging and effective.
3. **Mock Interview Sessions:** Mock interview sessions were conducted to simulate real-life job interview scenarios. Faculty members and industry professionals provided constructive feedback to students, helping them refine their interview techniques, boost their confidence, and effectively present their skills and qualifications to potential employers.

Learning Outcomes:

1. **Enhanced Technical Proficiency:** Participants gained a deep understanding of Technical VAP II concepts, improving their technical skills in both Civil and Petroleum Engineering fields.
2. **Improved Aptitude Skills:** Students enhanced their aptitude reasoning abilities, enabling them to solve complex problems and tackle various challenges with confidence.

3. **Effective Interview Preparation:** Through mock interview sessions, students honed their interview skills, learned effective communication techniques, and gained insights into industry expectations, making them well-prepared for their upcoming placements.
4. **Boosted Presentation Skills:** Engaging in mock interviews and interactive sessions boosted students' confidence levels. They learned how to present themselves professionally, articulating their achievements and skills convincingly.

Course Overview

<u>S. No</u>	<u>Course</u>	<u>Year/Sem</u>	<u>Branch</u>	<u>Subject</u>	<u>CO</u>	<u>PO</u>
1	Bachelor of Technology	7	Petroleum Engineering	Technical VAP II	CO1, CO2, CO3, CO4, CO5	PO1, PO10, PO12, PO5, PO6, PO8, PO9
2	Bachelor of Technology	7	Civil Engineering	Technical VAP II	CO1, CO2, CO3, CO4, CO5	PO1, PO10, PO11, PO12, PO2, PO3, PO4, PO9

The BOOT Camp organized by the Department of Civil & Petroleum Engineering at Quantum University proved to be a valuable and comprehensive program. By focusing on technical knowledge, aptitude reasoning, and interview preparation, students were well-equipped to face the challenges of the professional world confidently. The knowledge and skills acquired during this program will undoubtedly play a crucial role in the students' successful transition from academia to the industry.



Pictures from Boot Camp I (Pre-Placement Drive) for B. Tech Civil and Petroleum Engineering Batch

BOOT CAMP I (PRE-PLACEMENT TRAINING) B.TECH ME & MTE 4th YEAR STUDENTS

Name of Event: Boot Camp

Date of Event: 23rd to 28th November 2021

Hosted By: Department of Mechanical Engineering

Name of Trainers: Mr. Kannan, Dr Kamlesh Singh, Hari Krishna, Ankur Jain, Mukesh, Paritosh, Naveen Rana, Hari Krishna, Vivek Sharma, Raunak Gupta and Ankur Jain, Surinder saini

Number of Participants: 13 students

The Department of Mechanical & Mechatronics Engineering at Quantum University organized a comprehensive week-long training program known as Boot Camp I. This initiative aimed to prepare B.Tech ME & MTE 4th year engineering students for upcoming national level competitive exam and placement drives and equip them with the essential knowledge and skills required to excel in interviews and secure lucrative job offers. The Boot Camp I was conducted from 23rd November to 28th November 2021, featuring a range of sessions designed to provide a holistic preparation experience for students.

Learning Outcomes of the Event:

1. Interview Preparation:

- **General Questions:** The Boot Camp commenced with sessions led by Mr. Kannan and Dr. Kamlesh Singh, focusing on preparing students for general interview questions. This laid the foundation for effective interview performance.

2. Quantitative Aptitude and Reasoning:

- **Comprehensive Learning:** The Boot Camp included two sessions on Quantitative Aptitude and one session on Reasoning. These sessions, led by instructors Hari Krishna, Ankur Jain, Mukesh, Paritosh, Naveen Rana, and Paritosh, provided students with the necessary quantitative and analytical skills needed for placement tests.

3. Technical Knowledge Enhancement:

- **Thermal and Production Concepts:** In-depth sessions led by experienced instructors (Hari Krishna, Paritosh, Vivek Sharma, and Raunak Gupta) covered crucial topics related to thermal engineering and production. These sessions ensured that students were well-versed in concepts related to engines, fuels, refrigerants, AC, compressors, pumps, turbines, machine tools, machining processes, and metrology.

4. Software and Automation Skills:

- **Design Software and Automation:** Mukesh and Dr. Kamlesh conducted sessions on design software and automation basics, helping students acquire practical skills that are highly valued in the industry.

5. Industrial Insights:

- **Work Study and Quality Management:** The Boot Camp also included sessions on work study, quality management techniques, and lean manufacturing. These insights into industrial practices were provided by instructors Raunak Gupta, Vivek Sharma, and Raunak.

6. **Group Discussions (GD) and Communication Skills:**

- **Enhanced Communication Skills:** Naveen Rana, Raunak Gupta, and other instructors facilitated GD sessions to improve students' communication and teamwork abilities.

7. **Practice and Simulation:**

- **Placement Papers and Mock Interviews:** Students practiced solving old placement papers under the guidance of Ankur Jain, Surinder Saini. Additionally, mock interview sessions were conducted by Kannan, Vivek Sharma, and Dr. Kamlesh Singh. These practical exercises prepared students for the real interview experience.

8. **Mock Placement Tests:**

- **Test Simulations:** Ankur Jain and Surinder Saini organized mock placement tests to simulate the test-taking environment, helping students become more comfortable with the assessment process.

In conclusion, Boot Camp I organized by the Department of Mechanical & Mechatronics Engineering at Quantum University was a highly successful and beneficial training program. It equipped B.Tech Mechanical Engineering students with the necessary knowledge, technical skills, and interview preparation to excel in placement drives and secure desirable job offers. The comprehensive curriculum, experienced instructors, and practical sessions ensured that students were well-prepared for the challenges of the job market, making Boot Camp I a valuable experience for all participants.



Pictures from Boot Camp I (Pre-Placement Drive) for B. Tech Civil and Petroleum Engineering Batch

COMPETITIVE EXAM BOOT CAMP II (PRE-PLACEMENT TRAINING) B.TECH CIVIL 4th YEAR STUDENTS

Name of Event: Boot Camp II (Pre-Placement Training)

Date of Event: 12th October to 23rd December 2022

Hosted By: Department of Civil Engineering

Name of Trainers: Mr. Pavan Kumar Varshney & Mr. Iwansh Gupta

Number of Participants: 8 students

Quantum University, Department of Civil Engineering and Petroleum organized a Competitive Exam Boot Camp II especially focused on pre-placement training for 8 students pursuing B. Tech Civil 4th year and are expected to participate in an on campus placement drive where companies will be coming for recruitment purposes. The program commenced from 12th October to 23rd December 2022 during which domain experts namely Mr. Pavan Kumar Varshney & Mr. Iwansh Gupta trained students on technical interview, aptitude and reasoning and also took mock interviews to brush both academic knowledge and presentation skills.





Technical Training and Mock Interviews were taken during the Competitive Exam Boot Camp II (Pre-Placement Training)

TECHNICAL REPORT WRITING WORKSHOP

Name of Event: Technical Report Writing

Date of Event: 15th March to 20th March 2021

Hosted By: Department of Humanities and Social Sciences

Name of Trainers: Mr. Lokesh Das, Mr. Vaibhav, Dr. Naznin, Ms. Jaya Verma,

Number of Participants: 22 students

A six-day Technical Writing Program was organized from 15th March to 20th March 2021 for the first-year students of B.A (Honours) in English, Psychology, and Economics at Quantum University. The program aimed to enhance students' technical writing skills and prepare them for effectively composing and presenting technical reports. Ms. Shivani Kapoor coordinated the program, which witnessed the participation of approximately 22 students. At the end of the program, students presented reports based on their learning. Here are the Learning outcomes of the event

Program Schedule:

S.NO.	TOPIC	DATE	RESOURCE PERSON	VENUE
1.	Writing Technical Reports: Course Introduction	15.03.23	Mr. Lokesh K. Das / Video Lectures	Classrooms
0.	Planning and Structuring Your Report	16.03.23	Mr. Lokesh Das/ Mr Vaibhav	Mini Auditorium
0.	Drafting your report and design issues	17.03.23	Dr. Naznin / Ms. Ishita	B Tech Seminar Hall
0.	Final Edit Continued: Grammar, spelling, readability & writing in plain English	18.03.23	Dr Naznin/ Ms. Ishita	B Tech Seminar Hall
0.	Proofreading and summaries	19.03.23	Ms. Jaya Verma	Class Rooms
0.	Presenting your final report	20.03.23	Faculty Members	Mini Auditorium

Course Outcomes:

The Technical Writing Program achieved several significant outcomes for the students:

1. **Proficient Technical Writing:** Students learned how to write professional technical reports, gaining proficiency in drafting, structuring, language use, layout, design, and production.
2. **Effective Communication:** The program enhanced students' communication skills, emphasizing clarity and readability in their writing. It also covered writing in plain English to ensure that reports are easily understood.
3. **Comprehensive Learning:** Students acquired knowledge of various aspects of technical writing, including planning, formatting, sections, drafting, design, and editing.
4. **Practical Experience:** Through quizzes and activities, students had the opportunity to apply what they learned, reinforcing their understanding of technical writing concepts.

In conclusion, the six-day Technical Writing Program at Quantum University effectively equipped first-year B.A (Honors) students with essential technical writing skills. The program's comprehensive curriculum, hands-on activities, and expert guidance from resource persons contributed to the successful attainment of these valuable outcomes.





Glimpses from the 6 days technical writing training program held under the coordination of Ms. Shivani Kapoor

TECHNICAL VAP I (GATE COMPETITIVE EXAM TRAINING) (B.TECH CE BATCH 2019-23)

Name of Event: Technical VAP I (GATE COMPETITIVE EXAM TRAINING)

Date of Event: 10th February to 26th April 2022

Hosted By: Department of Civil Engineering

Name of Trainers: Mr.Pavan Kumar Varshney

Number of Participants: 20 students

The Department of Civil & Petroleum Engineering at Quantum University organized a Technical VAP I competitive exam training program for the B.Tech CE Batch 2019-23. The program aimed to engage students in completion exam activities and prepare them for their technical exams and interviews. The training, held from 10th February to 26th April 2022, focused on key topics in civil engineering, allowing students to solve problems and clarify doubts in various subjects.

Training Objectives

The Technical VAP I training program had the following objectives:

1. **Review Important Topics:**
 - Brushing up on essential topics crucial for placement activities, ensuring students were well-prepared for upcoming exams and interviews.
2. **In-Depth Learning:**
 - Providing students with in-depth knowledge of building materials, concrete technology, structural analysis, RCC, steel structures, and truss and frames.
3. **Problem Solving and Doubt Clearing:**
 - Allowing students to solve problems related to civil engineering subjects and clarifying doubts in various fields, enhancing their understanding of complex concepts.

Course Outline and Learning Outcomes

Unit I: Building Materials and Construction

- **Learning Outcome:** Students gained knowledge about different construction materials, including bricks, stones, steel, timber, and tiles. They acquired an understanding of construction elements in both commercial and residential buildings, enhancing their understanding of material properties and applications.

Unit II: Concrete

- **Learning Outcome:** Students learned about cement, aggregates, and mix design of concrete (M25, M35, M45). They acquired skills in preparing high-quality concrete mixes, ensuring they understand the composition and behavior of concrete in various applications.

Unit III: Structure Analysis

- **Learning Outcome:** Students delved into bending moments, shear forces, and deflection in structures. They enhanced their understanding of structural analysis, enabling them to calculate and analyze these crucial parameters in real-world scenarios.

Unit IV: RCC and Steel Structures

- **Learning Outcome:** Students learned about the limit state method and working stress method in RCC design. They acquired skills in designing columns, beams, and slabs. Additionally, they gained knowledge about steel structures, enhancing their ability to design and analyze these structures effectively.

Unit V: Truss and Frames

- **Learning Outcome:** Students gained proficiency in analyzing trusses and portal frames. They acquired skills in determining forces and stresses within these structural elements, allowing them to design and assess truss and frame structures accurately.

Course Outline:

The Technical VAP I competitive exam training program provided the B.Tech CE Batch 2019-23 students

CE3643	Title: Technical VAP I	L T P C 2 0 0 2
Version No.	1.0	
Course Prerequisites	Nil	
Objectives	The course aims to brush-up the topics important in terms of placement Activity.	
Unit No.	Unit Title	No. of hours (per Unit)
Unit: 1	Building Materials and Construction	6
.Introduction to Bricks, Stone, Steel, Timber. Tiles, Construction elements of Commercial and Residential Buildings		
Unit II	Concrete	6
Introduction to Cement and Aggregates. Mix design of M25, M35, M45		
Unit III	Structure Analysis	6
Bending Moment and Shear force, Deflection,		
Unit IV	RCC and Steel Structures	3
Limit State Method, Working Stress Method, design of column beam and slab		
Unit V	Truss and Frames	3
Analysis of truss and portal frame		
Mode of Evaluation	Internal and External Examination	

with a comprehensive understanding of fundamental civil engineering concepts. Through problem-solving sessions and doubt-clearing exercises, students not only enhanced their theoretical knowledge but also gained practical skills applicable in their upcoming exams and interviews. The active participation and enthusiasm displayed by the students, combined with the dedicated efforts of the faculty, contributed to the success of the training program.



Students engrossed in learning fundamental civil engineering concepts to crack interviews

TECHNICAL VAP I (GATE COMPETITIVE EXAM PREPARATION) FOR B.TECH ME BATCH (2019-23)

Name of Event: Gate Competitive Exam Preparation

Date of Event: 23rd to 28th November 2021

Hosted By: Department of Mechanical Engineering

Name of Trainers: Mr. Kannan

Number of Participants: 51 students

Quantum University's Department of Mechanical & Mechatronics Engineering organized a GATE competitive entrance preparation course from 23rd to 28th November 2021. This intensive three-day program, coordinated by Mr. Kannan, aimed to equip B.Tech ME students with the necessary knowledge and skills to excel in the upcoming GATE entrance exams and placement drives. The course covered various key topics and had several Learning outcomes:

Learning Outcomes of the Event:

1. Thermal Concepts:

- **Overview and Interview Questions:** Students received a comprehensive overview of thermal concepts. The inclusion of interview questions allowed students to prepare for potential GATE examination questions.
- **Practice Sets:** The provision of two sets of exercises (Set 1 and Set 2, each containing 50 questions) enabled students to practice and strengthen their understanding.
- **Previous Year Paper Discussion:** A discussion of previous year's placement papers and their solutions provided valuable insights into the examination pattern and problem-solving techniques.

2. Manufacturing Concepts:

- **Overview and Interview Questions:** Participants gained a solid understanding of manufacturing concepts, along with interview questions and solutions to help them grasp the subject.

3. Industrial and Quality Techniques:

- **Overview and Implementation:** Students learned about industrial and quality techniques, including implementation details.
- **Interview Questions and Practice:** The incorporation of interview questions and discussions enhanced students' readiness for placement interviews.
- **Previous Year Question Papers:** Reviewing previous year's question papers and discussing their solutions allowed students to identify areas of improvement.

4. Design Concepts:

- **Overview and Interview Preparation:** Design concepts were covered comprehensively, and students were provided with interview questions and solutions.
- **Placement Paper Discussion:** Analyzing previous year's placement papers and their solutions helped students understand the types of questions commonly asked in placement drives.

5. Software:

- **Design Software Revisions:** Students had the opportunity to revise design software, a crucial skill for engineering professionals.
- **C and C++ Revision:** Refreshing their knowledge of programming languages like C and C++ was emphasized, highlighting their importance in the industry.
- **Practice Exercises:** Practical exercises on different software platforms enhanced students' software proficiency.

Overall, the GATE competitive exam entrance preparation course organized by the Department of Mechanical & Mechatronics Engineering at Quantum University was a comprehensive and highly beneficial program. It not only prepared students for the GATE exams but also equipped them with practical skills for future placement drives and careers in the field of Mechanical Engineering. The course's focus on theory, practical exercises, and interview preparation ensured that students received a well-rounded education in key engineering concepts and skills.



Intensive training program for upcoming placement drive

TECHNICAL VAP II (SSC TRAINING) (B.TECH CE BATCH 2018-22)

Name of Event: Technical VAP II (SSC Training)

Date of Event: 12th October to 23rd December 2022

Hosted By: Department of Civil Engineering

Name of Trainers: Mr.Pavan Kumar Varshney

Number of Participants: 21 students

The Department of Civil and Petroleum Engineering at Quantum University organized a Technical VAP II training program from 12th October to 23rd December 2022. The program was designed to engage students in completion exam activities and prepare them for their technical exams and interviews. Approximately 8 students from B.Tech 4th year (Civil Engineering) participated in the activity, guided by the expert, Mr. Pavan Kumar Varshney. The program focused on various topics in civil engineering, allowing students to solve problems and clarify doubts, enhancing their understanding of complex concepts.

Training Objectives

The Technical VAP II training program aimed to achieve the following objectives:

1. **Review Important Topics:**
 - Brushing up on essential topics crucial for placement activities, ensuring students were well-prepared for upcoming exams and interviews.
2. **In-Depth Learning:**
 - Providing students with an in-depth understanding of construction management, building bylaws, structural analysis, prestressed concrete, and surveying.
3. **Problem Solving and Doubt Clearing:**
 - Allowing students to solve problems related to civil engineering subjects and clarifying doubts in various fields, enhancing their understanding of complex concepts.

Course Outline and Learning Outcomes

Unit I: Construction Management

- **Learning Outcome:** Students gained knowledge about construction equipment, PERT & CPM in construction management, rate analysis, and prefabricated structures. They acquired an understanding of various techniques and tools used in efficient construction management, enhancing their project management skills.

Unit II: Building Bylaws

- **Learning Outcome:** Students learned about building codes, IS456:2000, IS132, and IS800:2007. They gained knowledge about legal and regulatory aspects of construction, enabling them to design structures adhering to the applicable building laws and codes.

Unit III: Structural Analysis

- **Learning Outcome:** Students delved into ILD, arches, and trusses. They enhanced their understanding of advanced structural analysis techniques, enabling them to analyze and design complex structural elements with precision.

Unit IV: Prestressed Concrete

- **Learning Outcome:** Students learned about pre-tensioning and post-tensioning techniques, as well as different systems of prestress. They gained skills in designing prestressed concrete structures, ensuring they understood the principles and applications of prestressing in construction.

Unit V: Surveying

- **Learning Outcome:** Students acquired knowledge about leveling, contouring, and the application of TS, GIS, GPS, and remote sensing in surveying. They learned practical surveying techniques and the use of advanced technologies, enhancing their skills in land measurement and mapping.
The Technical VAP II training program provided the B.Tech 4th-year students with a comprehensive understanding of advanced civil engineering concepts. Through problem-solving sessions and doubt-clearing exercises, students not only enhanced their theoretical knowledge but also gained practical skills applicable in their upcoming exams and interviews. The active participation and enthusiasm displayed by the students, combined with the guidance provided by Mr. Pavan Kumar Varshney, contributed to the success of the training program.

Course Outline:

CE3742	Title: Technical VAP II	L T P C 2 0 0 2
Version No.	1.0	
Course Prerequisites	Nil	
Objectives	The course aims to brush-up the topics important in terms of placement activity.	
Unit No.	Unit Title	No. of hours (per Unit)
Unit: 1	Construction Management	6
Construction equipments, PERT & CPM in construction management, Rate analysis, prefabricated structures		
Unit II	Building by laws	6
Building codes, IS456:2000, IS132, IS800:2007		
Unit III	Structure Analysis	6
ILD. Arches, Trusses		
Unit IV	Prestressed Concrete	3
Pre-tensioning & Post tensioning, System of prestress		
Unit V	Surveying	3
Levelling, Contouring & Application of TS, GIS, GPS & Remote sensing		
Mode of Evaluation	Internal and External Examination	



A glimpse from the training program for their technical exams and interviews.

VIRTUAL STUDENT CAREER DEVELOPMENT PROGRAM ON “LIFE SKILLS REQUIRED FOR A SUSTAINABLE CAREER”

Name of Event: Career Development Program with Life Skill Required for Sustainable Career

Date of Event: 15th January, 2022

Hosted By: Department of Business Administration

Name of Trainers: Mr. Deep Mani Mishra, Sr. General Manager & Operations Head,, New Product Development, Avanti Bufo Limited, Roorkee.

Number of Participants: 250 students

On Saturday, January 15, 2022, the Quantum School of Business (QSB) at Quantum University organized a one-day virtual Student Development Program focused on career development "Life Skills Required for a Sustainable Career." The event aimed to provide valuable insights and guidance to students on essential life skills that are crucial for building a successful and sustainable career.

Guest Speaker: The program featured Mr. Deep Mani Mishra, Senior General Manager & Operations Head at Avanti Bufo Limited, Roorkee, as the Expert Resource of the event. Mr. Mishra brought a wealth of industry experience and knowledge to the discussion.

The event was expertly coordinated by Ms. Shalini Verma, Assistant Professor, Dept. of Business. Her dedication and efforts played a pivotal role in the success of the program. An impressive total of approximately 250 participants from across the country registered for the virtual event, showcasing its widespread appeal and relevance. The program commenced at 10:45 AM with an inaugural note by Ms. Shalini Verma, the coordinator. It began with a captivating Saraswati Vandana dance, setting a positive and vibrant tone for the event. Following this, Dr. Brijendra Singh Yadav, Director of QSB, extended a warm welcome to Mr. Mishra and other esteemed dignitaries.

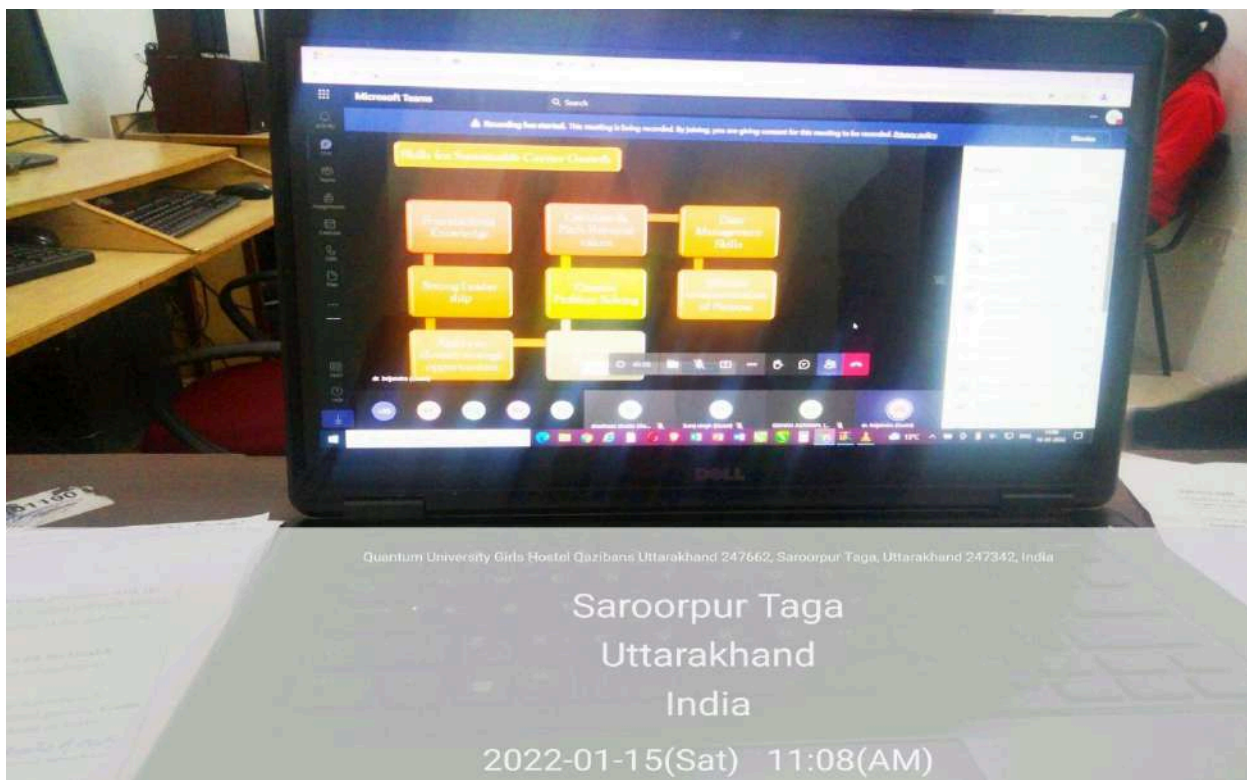
Ms. Shalini Verma provided a brief introduction to the event, highlighting Mr. Mishra's impressive credentials and expertise. She set the stage for what promised to be an enlightening and enriching session.

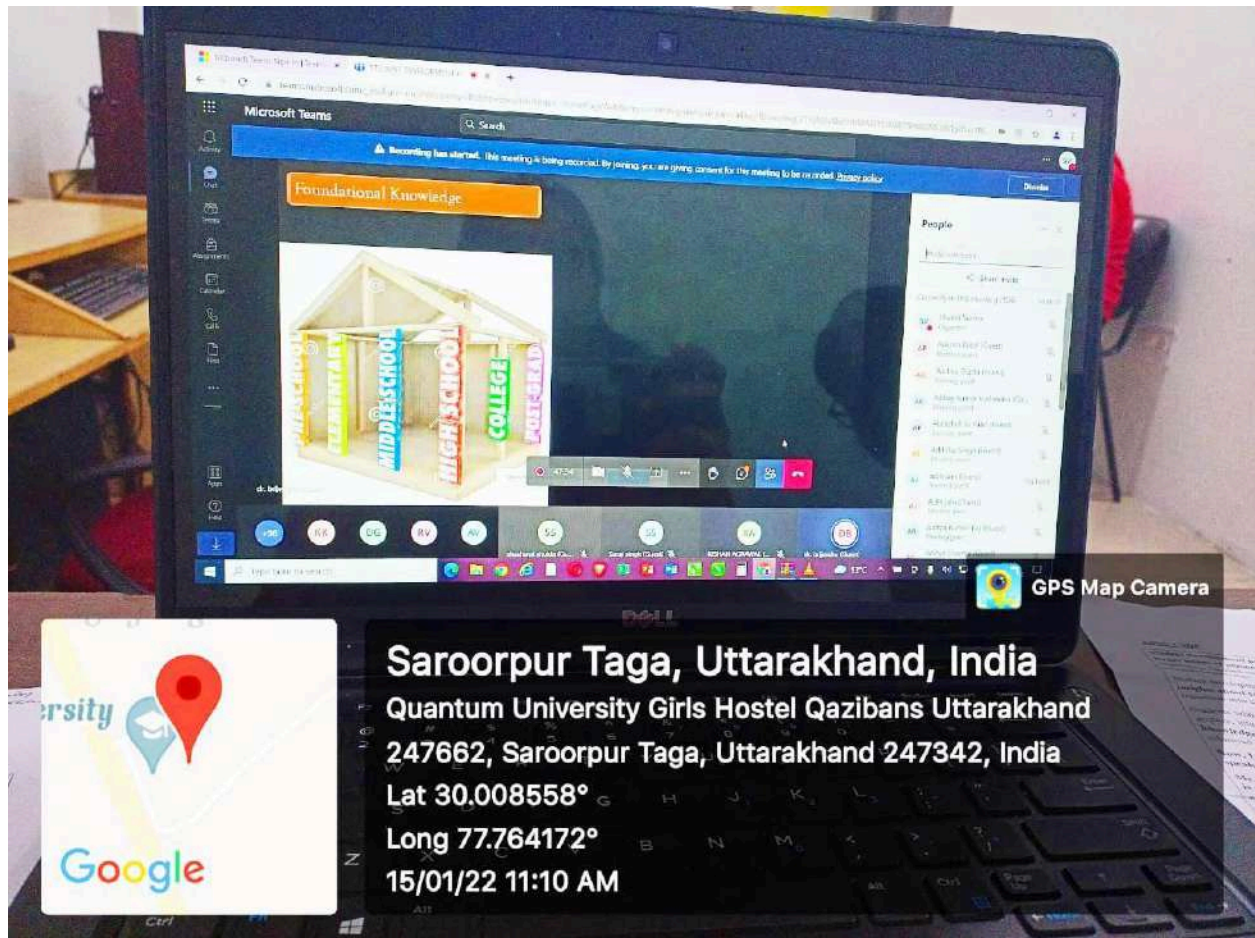
Mr. Deep Mani Mishra then took the floor and engaged with the participants, discussing the event's objectives and goals. His presentation revolved around empowering students with essential life skills such as decision-making, self-confidence, and effective communication. He underscored the importance of self-management and time management skills, urging students to engage in self-introspection to monitor and improve themselves.

The program concluded with a question-and-answer session, allowing participants to seek clarifications and further insights from Mr. Mishra. The event concluded on a high note with a heartfelt vote of thanks delivered by the event coordinator, Ms. Shalini Verma.

Learning Outcomes:

1. **Enhanced Awareness:** The one-day virtual program raised awareness among approximately 250 participants from across the country about the essential life skills required for building a sustainable career.
2. **Expert Insights:** Mr. Deep Mani Mishra, an industry expert, provided valuable insights into critical life skills such as decision-making, self-confidence, and effective communication, offering students a practical perspective on these qualities.
3. **Emphasis on Self-Management:** Participants were encouraged to focus on self-management and time management skills as key elements in their career development, fostering a sense of personal responsibility.
4. **Self-Introspection:** Mr. Mishra emphasized the importance of self-introspection, encouraging students to engage in self-assessment and continuous improvement.
5. **Interactive Learning:** The Q&A session provided an interactive platform for participants to seek clarifications and gain deeper insights, enhancing their understanding of the subject matter.
6. **Gratitude and Acknowledgement:** The event concluded with a heartfelt vote of thanks, expressing gratitude to Mr. Mishra and all dignitaries, cementing the success of the program.
7. **Preparedness for Careers:** Overall, the program equipped attendees with essential life skills and knowledge, better preparing them for the challenges and opportunities they will encounter in their future careers.





Screenshots from the One Day Virtual Class on “Life Skill Required for Sustainable Career”

BOOT CAMP 2022 FOR B.COM, BBA & MBA STUDENTS

Name of Event: Boot Camp 2022

Date of Event: 9th to 14th May 2022

Hosted By: Department of Business Administration

Name of Trainers: Mr. Pushpender Singh, Dr. Ram Singh, Dr. Nirmesh Sharma

Number of Participants: 120 students

The Quantum School of Business (QSB) at Quantum University in Roorkee organized a comprehensive competitive exam one-week workshop titled "The Boot Camp" from May 9, 2022, to May 14, 2022. This workshop was designed specifically for pre-final year students pursuing MBA, BBA, and B.COM degrees, with a focus on preparing them for successful placements.

Event Highlights:

Day 1: Welcome and Expert Talk

- The event commenced with a warm welcome and engaging anchoring.
- Director-QSB delivered a welcoming address to set the stage.
- Mr. Kailash Chaudhary, Plant Head- HR at M/S Everest Industries Limited, Roorkee, delivered an enlightening talk. He emphasized personal branding and shared his insights on HR challenges during selection processes and local issues.

Day 2: Quantitative Aptitude and Technical Know-How

- Mr. Ashish Garg and Ms. Jaya Verma conducted sessions on quantitative aptitude and technical know-how, vital for prospective business executives.
- Students engaged in structured assignments and task exercises post-lunch to reinforce their learning.

Day 3: Communication Skills

- Mr. Vaibhav Gupta and Ms. Ishita Pant led discussions on communication skills, addressing the gaps and key aspects of effective communication.
- Similar to the previous day, students participated in assignments and task exercises to apply their newfound knowledge.

Day 4: Resume Building

- Mr. Lokesh Das, an expert trainer, guided students on resume building, emphasizing its role as a reflection of one's professional self.
- Students crafted two resume formats for evaluation by faculty during the afternoon.

Day 5: Group Discussion Skills

- Mr. Vaibhav Gupta and Mrs. Mohita Trehan instructed students on the art of group discussions, exploring the balance wheel of effective GDs.
- Practical training was provided, focusing on "sentiment-oriented" GDs.

Day 6: Mock Interview and Practical Case Studies

- Mr. Lokesh Das concluded the workshop with sessions on mock interviews, delving deep into interview techniques, tips, do's, and don'ts.
- Practical case studies were shared to prepare students for real-world interviews.

Learning Outcomes:

1. **Communication Style:** Students developed an ideal communication style for interviews, enhancing their employability.
2. **Professional Balancing:** The workshop instilled a sense of professional balance in students, particularly during resume building.
3. **Empathy in Group Discussions:** Participants learned to cultivate empathy and effective communication in group discussions, a vital skill for collaborative work environments.

Workshop Approach: The workshop followed an experiential, "learning by doing" approach. Students engaged in simulation-based learning, submitting their approaches for evaluation. Emphasis was placed on TCS/Cognizant selection exams and the recruitment processes of various companies and banks like SBI.

Resilience Amidst Challenges: Despite the challenges posed by the ongoing COVID-19 pandemic and its variants, QSB demonstrated resilience by delivering a successful workshop. The institution remains committed to excellence, and the event closed with a formal vote of thanks.

Upcoming Remedial Workshop: To address any gaps identified, a one-day remedial workshop is planned to further enhance student readiness for placement opportunities.

This comprehensive workshop has equipped students with the essential skills and knowledge needed to excel in their future careers. It has been a testament to QSB's dedication to student success and its ability to adapt to changing circumstances.





Glimpses from the Boot Camp 2022, students at the verge of passing out of the university learned skills necessary to crack the competitive exam interview and survive the corporate world

PLACEMENT PREPARATION WEEK (B.SC (H) PCM BATCH 2 2019-22)

Name of Event: Placement Preparation Week

Date of Event: 8th to 17th August 2022

Hosted By: Department of Sciences

Name of Trainers: Dr. Ajay Kumar, Dr. A.K Seth, Dr. Kulveer Rana, Dr. Chirag Malik, Dr. Anamika, Ms. Rakhi Tyagi, Dr. Kulveer Abhishek Agarwal, Mr. Vaibhav Gupta, Ms. Himani Tyagi, Dr. Dheeraj Rana, Dr. Manisha Dhyani and Mr. Vipin Saini

Number of Participants: 15 students

The Department of Science at Quantum University organized a comprehensive two-week program aimed at preparing students pursuing B.Sc (H) PCM Batch 2019-22 for their upcoming placements. The program, led by dedicated departmental faculties, focused on enhancing students' skills in communication, group discussion, personal interviews, and delved into technical core subjects such as Physics, Mathematics, and Chemistry. A total of 29 students actively participated in this rigorous training.

Training Objectives

The Placement Preparation Program had the following objectives:

1. **Communication Skills Enhancement:**
 - To refine students' communication abilities, ensuring they could articulate their thoughts and ideas effectively during interviews and group discussions.
2. **Group Discussion Proficiency:**
 - To train students in participating actively and meaningfully in group discussions, fostering their skills in debating and presenting viewpoints coherently.
3. **Personal Interview Preparation:**
 - To prepare students for personal interviews, helping them develop confidence, answering techniques, and professional demeanor.
4. **Technical Knowledge Enhancement:**
 - To focus on core technical subjects (Physics, Mathematics, and Chemistry), ensuring students had a strong grasp of fundamental concepts and problem-solving skills.


Learning Outcomes

1. **Improved Communication Skills:**
 - Students enhanced their verbal and non-verbal communication skills, allowing them to express ideas clearly and confidently.
2. **Effective Group Discussion Participation:**

- Students learned to participate actively in group discussions, contributing meaningfully, and practicing respectful debate.
- Confident Personal Interview Techniques:**
 - Through mock interviews and guidance, students developed confidence and refined their personal interview skills, including body language and answering strategies.
 - Deepened Technical Knowledge:**
 - Students gained a deeper understanding of core technical subjects, improving their problem-solving abilities and analytical thinking in Physics, Mathematics, and Chemistry.

Program Details:

Quantum University					
Placement Drive Preparation Schedule					
Department of Science is going to organize placement related activity in present & incoming week. All the students of IIIrd year (Dept. of science) are requested to take part actively in the prescribed activity. Schedule of activities are as follow					
S.No.	Title	Day & time			Assigned Faculty
		Chemistry	Maths	Physics	
1	Communication skill	Wednesday(08-09-21) 11 AM to 12.50 PM Room No. A-104	Wednesday(08-09-21) 11 AM to 12.50 PM Room No. A-104	Wednesday(08-09-21) 11 AM to 12.50 PM Room No. A-104	Mr.Vaibhav Gupta Dr.A.K. Seth, Gunjan Aggarwal & Dr Dheraj Rana
2	Group Discussion/ Personal Interview	Thursday (09-09-21) 2.30 PM to 4.20 PM Room No. A-104	Thursday (09-09-21) 2.30 PM to 4.20 PM Room No. A-104	Thursday (09-09-21) 2.30 PM to 4.20 PM Room No. A-104	Dr. Ajay Kumar, Dr A.K Seth & Dr Kulveer Rana
3	Technical (core subject)	Friday (09-09-21) 2.30 PM to 4.20 PM Room No. A-104	Friday (09-09-21) 2.30 PM to 4.20 PM Room No. A-104	Friday (09-09-21) 2.30 PM to 4.20 PM Room No. A-104	For Physics: Dr Chirag Malik, Dr Anamika Chemistry: Dr. A. K. Seth, Rakhi Taygi Math: Dr Kulveer, Abhishek Aggarwal
4	Communication skill	Wednesday(15-09-21) 11 AM to 12.50 PM Room No. A-104	Wednesday(15-09-21) 11 AM to 12.50 PM Room No. A-104	Wednesday(15-09-21) 11 AM to 12.50 PM Room No. A-104	Mr.Vaibhav Gupta Himani Taygi & Dr Dheraj Rana
5	*Group Discussion/ Personal Interview	Thursday (16-09-21) 2.30 PM to 4.20 PM Room No. A-104	Thursday (16-09-21) 2.30 PM to 4.20 PM Room No. A-104	Thursday (16-09-21) 2.30 PM to 4.20 PM Room No. A-104	Dr. Chirag Malik, Dr Manisha Dhami & Vipin Saini
6	*Technical (core subject)	Friday (17-09-21) 2.30 PM to 4.20 PM Room No. A-104	Friday (17-09-21) 2.30 PM to 4.20 PM Room No. A-104	Friday (17-09-21) 2.30 PM to 4.20 PM Room No. A-104	For Physics: Dr Chirag Malik, Dr Anamika Chemistry: Dr. A. K. Seth, Rakhi Taygi Math: Dr Kulveer, Abhishek Aggarwal


Dr Ajay Kumar Sharma
Coordinator, Department of Science

Note*. Topic of group discussion will be given in advance by the teachers

Note**, Attendance is mandatory for all the students of final year.

The Competitive exam and Placement Preparation Program conducted by the Department of Science at Quantum University proved to be an invaluable experience for the students of B.Sc (H) PCM Batch 2019-22. Through the dedicated efforts of the faculty members, students not only honed their communication, group discussion, and personal interview skills but also strengthened their foundation in essential technical subjects. The active participation, enthusiasm, and progress displayed by the students during the program were remarkable, indicating the success and effectiveness of the training.



A picture from one of the training batches for Competitive Exam & Placement Preparation Group

BOOT CAMP FOR PLACEMENT (HSS B.A. (H) ENGLISH BATCH 2019-22)

Name of Event: Boot Camp for Placement

Date of Event: 9th to 14th May 2022

Hosted By: Department of Humanities & Social Sciences

Number of Participants: 16 students

The Department of Humanities conducted a week-long boot camp for placement preparation dedicated to its B.A. Honors English Batch students. The camp spanned from May 9th to May 14th, 2022, and was designed to equip students with essential skills and knowledge required for a successful placement drive. The primary focus areas included resume building, mock interviews, competitive exam preparation, group discussions, and case studies.

Event Highlights:

Resume Building: The boot camp kicked off with an emphasis on resume building. Students were guided on how to create impactful resumes that effectively showcased their skills, qualifications, and experiences.

Mock Interviews: To prepare students for real-world interviews, mock interview sessions were conducted. These sessions allowed students to practice and receive feedback on their interview skills, helping them gain confidence and refine their responses.

Competitive Exam Preparation: As competitive exams are often part of the placement process, students were provided with guidance and resources for preparing effectively. This aspect of the camp aimed to enhance their problem-solving and analytical skills.

Group Discussions: Group discussions play a crucial role in many placement processes. Students were trained on the art of participating in and leading group discussions effectively. This included learning how to express opinions, listen actively, and present ideas clearly and persuasively.

Case Studies: Case studies were utilized as a means of applying theoretical knowledge to real-world scenarios. This hands-on approach allowed students to enhance their problem-solving abilities and decision-making skills.

Learning Outcomes:

1. Participants learned how to craft impactful resumes that effectively highlight their qualifications and experiences, a critical tool for job applications.
2. Mock interview sessions prepared students for real-world interviews, helping them gain confidence and refine their interview skills.
3. The boot camp equipped students with problem-solving and analytical skills necessary for success in competitive exams.

4. Training in group discussions enhanced students' ability to express ideas persuasively and engage effectively in collaborative settings.
5. The use of case studies allowed students to apply theoretical knowledge to practical situations, enhancing their problem-solving and decision-making skills.



Humanities conducted a week-long boot camp for placement preparation dedicated to its B.A. Honors English Batch students

BOOT CAMP FOR PLACEMENT (HSS B.A. (H) PSYCHOLOGY BATCH 2019-22)

Name of Event: Boot Camp for Placement

Date of Event: 9th to 14th May 2022

Hosted By: Department of Humanities and Social Sciences

Number of Participants: 23 students

The Department of Humanities conducted a week-long boot camp for placement preparation exclusively catering to its B.A. Psychology students. This intensive camp, held from May 9th to May 14th, 2022, aimed to empower students with essential skills and knowledge crucial for a successful placement drive. The primary focus areas included interview preparations for psychology jobs, resume building, competitive exam readiness, mastering group discussions, and honing case study analysis.

Event Highlights:

Interview Preparation for Psychology Jobs: A Learning component of the boot camp was dedicated to preparing students for interviews specific to psychology job roles. Students received specialized guidance on how to excel in interviews for psychology-related positions.

Resume Building: Students were educated on the art of crafting resumes tailored to psychology careers. The boot camp taught them how to create resumes that effectively showcased their academic background, skills, and experiences in the psychology field.

Competitive Exam Preparation: Recognizing the significance of competitive exams in the placement process, students were equipped with the skills needed to excel in these exams. The boot camp focused on enhancing their problem-solving and analytical abilities, critical for success in such assessments.

Group Discussions: Group discussions are a common evaluation method during placement processes. Students were trained in the art of active participation in group discussions, which included expressing ideas clearly and persuasively, and actively listening to others.

Case Studies: Case studies were employed as a pedagogical tool to apply theoretical knowledge to real-world scenarios within the field of psychology. This practical approach allowed students to develop their problem-solving and decision-making skills in a psychological context.

Learning Outcomes:

1. B.A. Psychology students gained confidence and readiness for psychology job interviews, allowing them to effectively communicate their skills and qualifications to potential employers.

2. Participants learned how to create psychology-specific resumes that effectively highlighted their academic achievements, psychological expertise, and relevant experiences.
3. The boot camp equipped students with the problem-solving and analytical skills needed to excel in competitive exams related to psychology job roles.
4. Training in group discussions enhanced students' ability to express their ideas persuasively and participate actively in collaborative settings, a valuable skill for job placements.
5. The use of case studies allowed students to apply psychological theories and principles to real-world scenarios, fostering their problem-solving and decision-making abilities.



Training for group discussions to foster confidence among students preparing for placement interviews

PLACEMENT TRAINING FOR TCS PLACEMENT DRIVE FOR BCA 5TH SEM STUDENTS

Name of Event: Placement Training for TCS recruitment

Date of Event: 3rd to 12th November 2021

Hosted By: Department of Computer Science and Engineering

Number of Participants: 28 Students

In anticipation of the upcoming on-campus recruitment drive by TCS, the Department of Computer Science and Engineering at our university organized a targeted practice training session from 3rd to 12th November 2021. This program was meticulously crafted for the BCA 5th Semester students, a cohort on the verge of graduating from the university. A total of 28 students attended this intensive training program. The primary aim of this training initiative was to empower students with the skills and confidence needed to excel in the TCS recruitment process, which rigorously assesses candidates' programming, logical, technical, and interpersonal abilities.

Training Objectives

The TCS Placement Training Program was designed with the following key objectives:

1. **Enhancing Programming and Logical Abilities:**
 - Strengthening students' programming skills and logical reasoning abilities to tackle the challenges presented in TCS recruitment exams.
2. **Technical Interview Preparation:**
 - Equipping students with in-depth technical knowledge and problem-solving skills, preparing them to face technical interviews with confidence.
3. **HR Interview Preparation:**
 - Providing students with the essential communication, interpersonal, and behavioral skills necessary for HR interviews, ensuring they can present themselves effectively.
4. **Boosting Confidence and Interview Readiness:**
 - Building students' confidence levels and interview readiness through mock tests, practice interviews, and real-time feedback sessions.

Learning Outcomes

1. **Enhanced Problem-Solving Skills:**
 - Students developed advanced problem-solving abilities, essential for cracking complex programming and logical questions in the TCS exam.
2. **Technical Proficiency:**
 - A deep understanding of core technical concepts was achieved, enabling students to respond adeptly to technical questions during interviews and exams.
3. **Improved Communication Skills:**

- Enhanced verbal and non-verbal communication skills prepared students to articulate their thoughts clearly, a valuable asset in both technical and HR interviews.
4. **Confidence Building:**
 - Through mock interviews and practice tests, students gained confidence, enabling them to face the TCS recruitment process with self-assurance and poise.
 5. **Real-Time Feedback Integration:**
 - Feedback sessions provided students with insights into their performance, allowing them to identify areas of improvement and refine their interview strategies.

The TCS Placement Training Program conducted by the Department of Computer Science and Engineering played a pivotal role in preparing our BCA 5th Semester students for the rigorous TCS recruitment process. The combination of enhanced technical skills, improved communication abilities, and boosted confidence levels significantly increased the students' chances of success during the TCS exams and interviews. The active participation and dedication of both students and faculty members contributed to the program's success.



Picture from training program for TCS coding exam, a prerequisite for selection in the TCS organization

INDUSTRIAL TRAINING FOR 3RD YEAR BHM BATCH

Name of Event: Industrial Training

Date of Event: 12th August 2021 to 11th January 2022

Hosted By: Department of Hospitality and Tourism

Number of Participants: 2 Students

The Quantum School of Hospitality and Tourism organized an industrial training program for its Bachelor of Hotel Management (BHM) students 2020-2024 batch. This program focused on providing hands-on experience in various aspects of the hospitality industry, including F&B services, the Housekeeping Department, and the Front Office Department. The training program took place at The Fern Residency Hotel in Udaipur, Rajasthan, and spanned from 12th August 2021 to 11th January 2022. Two students actively participated in the program and received appreciation letters from The Fern Residency upon its successful completion.

Learning Outcomes of the Program:

1. **Practical Exposure:** The industrial training program offered students the opportunity to gain practical experience in the diverse fields of the hospitality industry, including F&B services, housekeeping, and front office operations.
2. **Skill Development:** Students developed and honed their skills in hotel management, learning about the day-to-day operations and customer service aspects of the industry.
3. **Industry Insights:** The program allowed students to gain valuable insights into the functioning of a real-world hospitality establishment, providing them with firsthand knowledge of industry standards and practices.
4. **Application of Knowledge:** Theoretical knowledge gained during their academic coursework was put into practice, reinforcing the relevance and applicability of their studies.
5. **Professionalism:** Participating students had the opportunity to cultivate professionalism, time management, and effective communication skills, all of which are essential in the hospitality sector.
6. **Appreciation and Recognition:** Upon successful completion of the program, the students were awarded appreciation letters from The Fern Residency Hotel, recognizing their dedication and commitment during the training period.
7. **Career Advancement:** The training experience enhances the employability of students and equips them with practical skills and industry-specific knowledge, thereby improving their prospects for future career opportunities in the hospitality and tourism sector.

In summary, the Industrial Training Program organized by Quantum School of Hospitality and Tourism provided a valuable and enriching experience for Bachelor of Hotel Management students. It equipped them with practical skills, industry insights, and professionalism while strengthening their theoretical knowledge. The recognition and appreciation letters from The Fern Residency Hotel highlight the

students' dedication and the program's success in preparing them for a promising career in the field of hospitality and tourism.



Images of letter of appreciation provided to the BHM students for the their hard and excellent work

INDUSTRIAL EXPOSURE ON JOB TRAINING

Name of Event: Industrial Training (OJT)

Date of Event: 3rd December 2021 to 11th May 2022

Hosted By: Department of Hospitality and Tourism

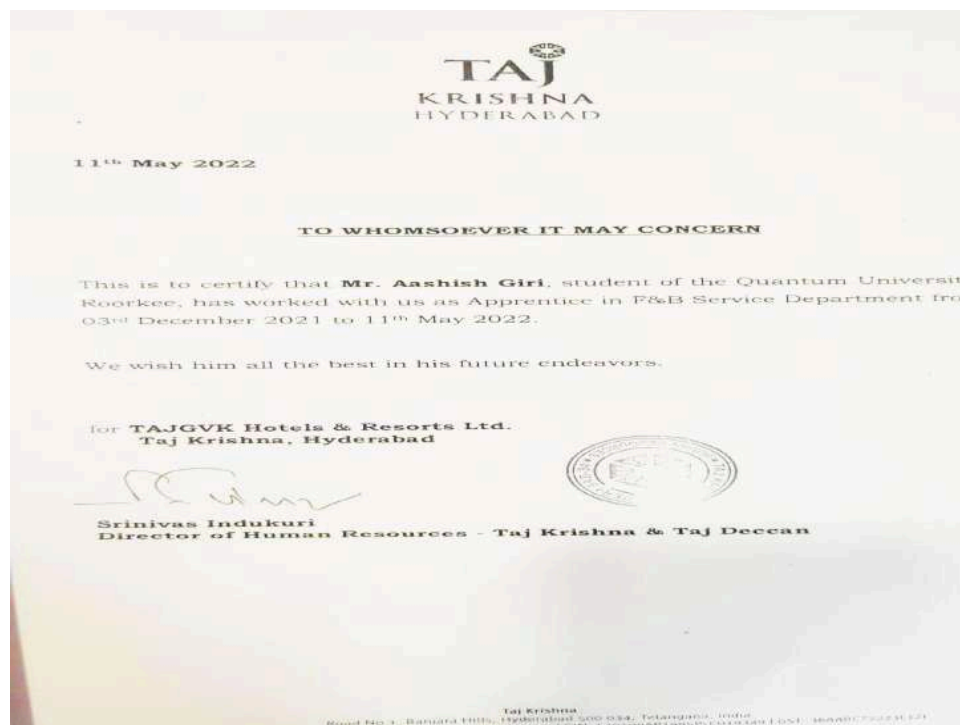
Number of Participants: 6 Students

The School of Hospitality and Tourism at Quantum University, Roorkee, organized an Industrial Exposure (On Job Training - OJT) program for its BHM (Bachelor of Hotel Management) 8th Semester students. This training initiative was designed to provide students with hands-on experience in the hospitality industry, aligning with the curriculum requirements. The OJT program was hosted by Taj Krishna, Hyderabad, and spanned from 3rd December 2021 to 11th May 2022. During this period, six students were exposed to the F&B (Food and Beverage) services department, gaining practical knowledge and skills during their apprenticeship at the hotel.

Learning Outcomes of the Program:

1. **Practical Industry Exposure:** The OJT program offered participating students the opportunity to gain practical exposure to the hospitality industry. By working in a real-world hotel environment, they were able to understand the day-to-day operations and challenges faced by professionals in the F&B services department.
2. **Skill Enhancement:** Students had the chance to develop and enhance their skills in F&B services, including aspects such as food preparation, service etiquette, guest interactions, and teamwork.
3. **Application of Academic Knowledge:** Theoretical knowledge acquired during their academic studies was put into practice, reinforcing the relevance and applicability of their classroom learning in a professional setting.
4. **Industry Insights:** Students gained valuable insights into the functioning of a renowned hospitality establishment like Taj Krishna. They had the opportunity to observe industry best practices, standards, and customer service excellence.
5. **Professionalism:** Participation in the OJT program enabled students to cultivate professionalism, adaptability, time management, and effective communication skills, which are crucial in the hospitality sector.
6. **Networking:** Students had the chance to build professional networks and establish connections with experienced industry professionals, which can be advantageous for future career opportunities.
7. **Career Advancement:** The practical training and industry exposure enhance the employability of students, making them more competitive in the job market upon graduation. It also allows them to identify their strengths and areas for improvement in preparation for future careers in the hospitality sector.
8. **Completion Certificates:** Upon successfully completing the 22-week OJT program, students received certificates recognizing their dedication, commitment, and the practical skills acquired during their training at Taj Krishna, Hyderabad.

In conclusion, the Industrial Exposure (OJT) program organized by the School of Hospitality and Tourism at Quantum University provided a valuable and enriching experience for BHM 8th Semester students. It equipped them with practical skills, industry knowledge, and professionalism while bridging the gap between academic learning and real-world application. The recognition through completion certificates further highlights the program's success in preparing students for successful careers in the dynamic field of hospitality and tourism.



Screenshot of Industrial Training Program Completion Certificate from Taj Krishna, Hyderabad

PLACEMENT TRAINING ON JAVA 2 PLATFORMS, ENTERPRISE EDITION (B.TECH. CSE BATCH 2019-23)

Name of Event: Placement Training on Java 2 Platforms, Enterprise Edition

Date of Event: 25th to 29th October 2021

Hosted By: Department of Computer Science & Engineering

Number of Participants: 60 students

The Quantum School of Computer Science and Engineering conducted a week-long training program on Java 2 Enterprise Edition (J2EE), a framework used for web development. This program was held from 25th to 29th October 2021 and was attended by 60 students from the B.Tech Computer Science and Engineering (CSE) batch 2019-2023. The objective of this program was to provide students with comprehensive knowledge and practical skills in web development using J2EE.

Learning Outcomes of the Program:

1. **Understanding OOPS Concepts:** The training program ensured that students grasped the fundamental Object-Oriented Programming (OOP) concepts, including inheritance, polymorphism, collections, and exceptions.
2. **Database Connectivity:** Students gained practical experience in implementing database connectivity, enabling them to interact with databases efficiently. This skill is crucial for web development.
3. **Servlets Programming:** The program equipped students with the knowledge and skills to implement Servlets, which are essential components for developing dynamic web applications in Java.
4. **JSP Programming:** Students learned about JavaServer Pages (JSP) and how to create dynamic web pages using JSP. This included understanding JSP architecture, using implicit objects, and handling form data.
5. **Dynamic Web Project Creation:** Participants were able to create dynamic web projects, applying their knowledge of Servlets, JSP, and database connectivity to develop functional web applications.
6. **Incorporating Best Practices:** The training program emphasized best practices in web development, ensuring that students followed industry-standard approaches to building dynamic websites.
7. **Comprehensive Curriculum:** The curriculum covered a range of topics, including OOPS concepts, JDBC (Java Database Connectivity), Servlets, JSP, and dynamic web page development. This provided students with a well-rounded understanding of J2EE.
8. **Practical Application:** The program encouraged students to apply what they learned through practical exercises, including form handling, database interactions, and dynamic query development.

Textbook and Reference Material:

- **Textbook:** "JDBC, Servlet, and JSP Includes JSF and Design Patterns, Black Book" by Santosh Kumar K. (Paperback)
- **Reference Book:** "Murach's Java Servlets and JSP, 3rd Edition"

In conclusion, the J2EE training program organized by the Quantum School of Computer Science and Engineering was a comprehensive and practical initiative aimed at equipping students with essential skills for web development. The Learning outcomes include a solid understanding of OOPS concepts, proficiency in database connectivity, Servlets and JSP programming, and the ability to create dynamic web projects. This training ensures that students are well-prepared to apply their knowledge in real-world web development scenarios and paves the way for successful careers in the field of software engineering and web development.



Images from training program on Java 2 Enterprise Edition (J2EE) and coding practice for placement

PLACEMENT TRAINING ON PHP (B.TECH CSE BATCH 2019-23)

Name of Event: Placement Training on PHP

Date of Event: 12th to 18th October 2021

Hosted By: Quantum School of Computer Science and Engineering

Number of Participants: 60 students

The Quantum School of Computer Science and Engineering organized a week-long training program on PHP, a widely-used framework for web development. This program was conducted from 12th to 18th October 2021 and was attended by 60 students from the B.Tech Computer Science and Engineering (CSE) batch 2019-2023. The objective of this program was to provide students with comprehensive knowledge and practical skills in web development using PHP.

Learning Outcomes of the Program:

1. **Introduction to PHP:** Students were introduced to PHP, covering its evaluation, basic syntax, variable and constant definitions, data types, operators, expressions, and its seamless integration with HTML. This formed a strong foundation for their PHP programming journey.
2. **Function Implementation:** Participants gained proficiency in working with functions in PHP. They learned how to define functions, understand the concepts of call by value and call by reference, create recursive functions, manipulate strings, and use various string-related library functions.
3. **Array Manipulation:** Students delved into PHP arrays, including index-based and associative arrays. They learned to access array elements, loop through arrays using techniques such as 'each()' and 'foreach()', and effectively use library functions for array operations.
4. **Session Management, Cookies, and HTML Forms:** Understanding session control and working with cookies were key components. Students became adept at session functionality, cookie handling, setting cookies with PHP, and managing session variables. Additionally, they learned about capturing form data, dealing with multi-value fields, and generating file upload forms.
5. **File and Directory Operations:** The program covered file and directory operations extensively. Students learned how to manipulate files, including opening, closing, copying, renaming, and deleting files. They also acquired skills in working with directories, including creating and deleting folders, and dealing with file uploads and downloads.
6. **Database Connectivity with MySQL:** Participants were introduced to relational database management systems (RDBMS) and gained practical experience in connecting PHP applications with MySQL databases. They performed basic database operations (DML) such as insert, delete, update, and select. The training included setting query parameters and executing queries, including various types of joins for data retrieval.
7. **Exception Handling:** Students learned about exception handling in PHP, including try-catch blocks, throwing exceptions, error tracking, and debugging techniques. This knowledge is invaluable for creating robust and error-tolerant web applications.

In summary, the PHP training program organized by the Quantum School of Computer Science and Engineering successfully equipped students with essential skills and knowledge for web development with use of PHP. The Learning outcomes include proficiency in PHP scripting, function implementation, array manipulation, session management, cookie handling, HTML form handling, file operations, database connectivity with MySQL, and exception handling. These skills are crucial for students pursuing careers in web development and software engineering.



Placement Training for TCS Exam (BCA Batch 2019-22)

TECHNICAL TRAINING FOR PLACEMENT DRIVE ON DATA STRUCTURES (B.TECH CSE BATCH 2019-23)

Name of Event: Technical Training for Placement Drive on Data Structures

Date of Event: 24th November 2021

Hosted By: Department of Computer Science & Engineering

Number of Participants: 66 students

In the pursuit of preparing students for upcoming placement drives, the Department of Computer Science & Engineering at Quantum University organized a Placement Training Lecture on November 24th, 2021. This lecture was specifically focused on Data Structures for AIML (Artificial Intelligence and Machine Learning) and was conducted for B.Tech 3rd Year students. Professor Chunnu Lal, a faculty member with expertise in the field, delivered the lecture. The objective was to enhance students' knowledge and problem-solving skills related to data structures, which are vital for success in technical interviews and placement processes.

Program Details

The lecture attracted a total of 66 enthusiastic students, all from the B.Tech 3rd Year program. The high attendance indicated the students' keen interest in improving their understanding of data structures and their applications in AIML.

Lecture Content

During the lecture, Professor Chunnu Lal discussed and elaborated on various problems related to array data structures. The specific problems covered were:

1. **Finding the Maximum Product of Two Integers in an Array:** This problem focused on developing students' skills in optimizing code to find the maximum product of any two integers within an array.
2. **Finding the Maximum Difference Between Two Array Elements with Given Constraints:** Students were presented with a problem that required them to determine the maximum difference between two array elements, while adhering to specified constraints.
3. **Checking if an Array Represents a Min-Heap or Not:** This problem involved assessing an array to determine if it represented a min-heap, reinforcing concepts related to heap data structures.

Learning Outcomes

The Placement Training Lecture on Data Structures for AIML yielded several significant outcomes:

1. Enhanced Problem-Solving Skills

Students were challenged with real-world problems related to array data structures. This experience honed their problem-solving skills and encouraged them to think critically when approaching complex programming tasks.

2. Improved Understanding of Data Structures

The lecture deepened students' understanding of data structures, particularly in the context of AIML applications. They gained insights into the relevance and practicality of data structures in solving AI and ML problems.

3. Practical Application

By solving problems during the lecture, students had the opportunity to apply theoretical knowledge to practical scenarios. This hands-on experience is invaluable for interviews and placements.

4. Increased Confidence

The lecture helped boost students' confidence in their coding and problem-solving abilities. They left the lecture better prepared to face technical interviews and placement assessments.

5. Enhanced Engagement

The high attendance at the lecture indicated the students' commitment to their academic and career development. The lecture successfully engaged students in a constructive learning experience.



Picture of training batch for upcoming placement drive

PLACEMENT TRAINING ON MAVENTIC RECRUITMENT FOR BCA FINAL YEAR STUDENTS

Name of Event: Placement Training On Maventic Recruitment

Date of Event: 3rd & 4th December 2021

Hosted By: Department of Computer Science & Engineering

Name of Trainers: Ms. Ishita Pant, Mr. Chunnu Lal, Mrs. Jaya Verma, Mr Pundreekaksha Sharma and Mr. Naveen Rana

Number of Participants: 44 students

The Department of Computer Science & Engineering organized a technical training program for students pursuing BCA Final year students for the upcoming on campus Maventic placement drive. This report provides an overview of the program schedule and highlights the Learning outcomes of the event.

Program Schedule

The training program was conducted over two days, on December 3rd (Friday) and December 4th (Saturday). Each day was divided into four sessions, with a focus on different subjects and skills.

Date/Day	9.00-10.50 AM	10.50-12.40 Noon	1:35-3:25	3.25-4.20 PM
3 rd Dec Friday	Verbal English Ms.Ishita Pant	C and Data Structure (Mr.Chunnu Lal)	Quantitative Aptitude Mrs.Jaya Verma	OOPS (Mr.Pundreekaksha Sharma)
4 th Dec Saturday	Verbal English Ms.Ishita Pant	C and Data Structure (Mr.Chunnu Lal)	Quantitative Aptitude Mrs.Jaya Verma	Logical Reasoning Mr.Naveen Rana

Learning Outcomes

The technical training program yielded several significant outcomes, including:

1. Improved Verbal English Skills

Ms. Ishita Pant's sessions on Verbal English helped students enhance their communication skills. Effective communication is crucial in job interviews and professional settings, and this training contributed to students' proficiency in this area.

2. Strengthened Knowledge of C and Data Structures

Under the guidance of Mr. Chunnu Lal, students had the opportunity to reinforce their understanding of the C programming language and data structures. This knowledge is fundamental for software development and technical interviews, and the training program ensured that students were well-prepared in these areas.

3. Enhanced Quantitative Aptitude

Mrs. Jaya Verma's sessions on Quantitative Aptitude aimed at improving students' mathematical and analytical skills. This is a critical skill set for solving technical problems and performing well in placement exams.

4. Mastery of Object-Oriented Programming (OOPS)

Mr. Pundreekaksha Sharma's classes on Object-Oriented Programming (OOPS) equipped students with a strong foundation in this essential programming paradigm. Proficiency in OOPS is highly valued by employers, making students more competitive in the job market.

5. Advanced Logical Reasoning

Mr. Naveen Rana's session on Logical Reasoning honed students' critical thinking and problem-solving abilities. Logical reasoning is vital for tackling complex technical challenges and was a valuable addition to the training program.



Glimpse from Maventic Placement Interview Preparation Program

TRAINING PROGRAM ON JOB INTERVIEW SKILLS

Name of Event: Job Interview Training

Date of Event: 10th December 2021

Hosted By: Department of Media Studies & Design

Name of Trainers: Mr. Manoj Bansal, Mr. Pankaj Sharma

Number of Participants: 60 students

A seminar titled "Job Interview Skills" was conducted at the Mini Auditorium of Quantum University on December 10th, 2021. This seminar was jointly organized by DEEPRO and QSGS, with the primary aim of enhancing and improving students' skill sets related to job interviews and placements. The target audience included students from various programs, such as BBA, B.COM, BJMC, and MBA.

Event Highlights: The seminar featured two distinguished speakers, Manoj Bansal Sir and Pankaj Sharma Sir, who jointly shared the stage. The speakers provided valuable insights and information on several key aspects of job interviews and the placement process:

1. **Job Domains:** The speakers discussed different job domains, offering students a broad perspective on the diverse career opportunities available to them.
2. **Hiring Process:** Detailed information about the hiring process was provided, helping students understand how companies select candidates for various roles.
3. **Salary Packages:** The seminar covered the topic of salary packages offered by companies, giving students an understanding of the compensation they could expect in their chosen fields.
4. **Impact of Lockdown on Placements:** The speakers also addressed the effects of the COVID-19 lockdown on placement drives, providing context to the challenges faced by job seekers during the pandemic.
5. **Access to Placement Cell:** Students were encouraged to utilize the resources of the Placement Cell and were assured that they could seek assistance for any placement-related issues, including emails, calls, and messages.
6. **Importance of Placement Drives:** The speakers emphasized the significance of participating in placement drives, highlighting how these opportunities can shape students' future careers.

Learning Outcomes:

The seminar on "Job Interview Skills" had several significant outcomes for the attending students:

1. Students gained a deeper understanding of various job domains, the hiring process, and salary packages, empowering them to make informed career choices.

2. The discussion about the lockdown's impact on placements provided students with insights into the challenges and changes in the job market, preparing them for the evolving landscape.
3. Students were made aware of the availability of support and guidance from the Placement Cell, promoting a sense of confidence and readiness for future placement activities.
4. The seminar motivated students to actively participate in placement drives, recognizing the crucial role these events play in their career development.





A Joint initiative of DEEPRO and QSGS to provide its students world class job interview skills training program

PLACEMENT TRAINING FOR BMRIT STUDENTS

Name of Event: Placement Training

Date of Event: 8th to 10th March 2022

Hosted By: Department of Applied Sciences

Name of Trainers: Ms. Neelam, Mr. Aditya Negi, Miss Dexsha, Mr. Hemant Adhikari, Mrs. Mohita Vij and Mr. Ashish Garg

Number of Participants: 29 students

The Quantum School of Health Sciences organized a Placement Training Program tailored for its BMRIT (Bachelor in Medical Radiology and Imaging Technology) students. This program spanned three days, from March 8th to March 10th 2022. The primary focus of the training was to prepare students for upcoming job placements and competitive exams, with an emphasis on radiology-specific expertise, group discussions, personal interviews, and quantitative aptitude.

Event Highlights: The three-day training program featured a diverse range of sessions and activities aimed at equipping BMRIT students with the skills necessary to excel in job interviews and competitive exams. Notable faculty members who contributed significantly to the program included Ms. Neelam, Mr. Aditya Negi, Miss Dexsha, Mr. Hemant Adhikari, Mrs. Mohita Vij, and Mr. Ashish Garg.

Training Schedule:

Date/Day	9:00 to 11:00 AM	11:00 to 12:40 Noon	1:35 to 3:00 PM	2:59 to 4:20 PM
8th March Tuesday	Clinical Aspect in Radio Imaging by Ms. Neelam	Radiation Physics by Ms. Dexsha	GP/PI by Mrs. Mohita Vij	Quantitative Aptitude by Mr. Ashish Garg
9th March Wednesday	Radiation Protection by Mr. Aditya Negi	Special Radiographic Procedure Ms Neelam	GP/PI by Mrs. Mohita Vij	Quantitative Aptitude by Mr. Ashish Garg
10th March Thursday	Patient Care & Management Miss Dexsha	Radiographic Positioning by Mr. Aditya Negi	GP/PI by Mr. Hemanta Adhikari	Quantitative Aptitude by Mr. Ashish Garg

Learning Outcomes:

1. **Radiology Expertise:** Students gained a comprehensive understanding of radiology-specific aspects, including clinical aspects, radiation physics, special radiographic procedures, radiation protection, and radiographic positioning. This knowledge is crucial for success in the field.
2. **Interview Preparation:** The program focused on developing students' interview skills, including personal interviews (GP/PI). They received guidance on how to present themselves effectively and confidently during job interviews.
3. **Quantitative Aptitude:** Quantitative aptitude sessions equipped students with the necessary mathematical and analytical skills required for competitive exams and placement assessments.
4. **Group Discussion:** Students learned how to participate effectively in group discussions, a vital component of many placement processes. This included expressing ideas clearly, listening actively, and engaging in constructive discussions.
5. **Patient Care and Management:** Understanding patient care and management is essential in the healthcare field. Students gained insights into this critical aspect of their future roles.



A Placement Training Program tailored for its BMRIT (Bachelor in Medical Radiology and Imaging Technology) students

PREPARATION FOR PLACEMENTS FOR PRE-FINAL YEAR MBA, BBA, B.COM

Name of Event: Preparation for Placements

Date of Event: 23rd to 28th November 2022

Hosted By: Department of Business Administration

Name of Trainers: Mr. Vaibhav Gupta, Dr. Sachin Chauhan, Mr. Lokesh Das
Mr. Mohita Trehan and Mr. Ishita Pant

Number of Participants: 61 students

The Quantum School of Business organized a comprehensive placement preparation program designed to equip pre-final year students pursuing MBA, BBA, and B.Com degrees with the skills and knowledge necessary for successful job placements. The program focused on briefing students about industry expectations and job requirements, providing career counseling sessions, emphasizing the importance of communication skills, and enhancing resume building techniques.

The placement preparation program, spanning from March 23rd to March 28th, featured expert external resources who shared their insights and expertise with the students. The sessions were conducted to ensure that students were well-prepared to meet industry expectations and job requirements. Notable contributors to the program included Mr. Vaibhav Gupta, Dr. Sachin Chauhan, Mr. Lokesh Das, Mr. Mohita Trehan, and Mr. Ishita Pant.

Learning Outcomes:

1. Students gained a deeper understanding of what industries expect from potential candidates. This insight into industry-specific requirements prepared them to align their skills and knowledge with job market demands.
2. The program included career counseling sessions that provided students with guidance on career choices, helping them make informed decisions about their future paths.
3. Emphasis on the importance of communication skills helped students refine their verbal and written communication abilities, making them more effective and persuasive communicators.
4. Students learned effective resume-building techniques, allowing them to create impactful resumes that showcased their qualifications and experiences in a manner that resonated with potential employers.
5. The placement preparation program ensured that students were job-ready, instilling in them the confidence and skills required to excel in job interviews and assessments.
6. The involvement of external resources, including industry experts and career counselors, enriched students' perspectives and provided valuable insights into the real-world job market.



Students at Quantum University are Robustly Prepared for Competitive exams and Placement Drives

TECHNICAL WORKSHOP ON CAREER OPPORTUNITY IN COMMERCIAL SEED PRODUCTION

Name of Event: Commercial Seed Production

Date of Event: 15th December 2021

Hosted By: Department of Agricultural Studies

Name of Trainers: Dr. Rajendra Kumar Abhimanyu Seeds Pvt. Ltd., Meerut road, Hapur, Uttar Pradesh

Number of Participants: 80 Students

The Quantum School of Agriculture Studies organized a Technical Workshop on “Commercial Seed Production”. This lecture was held online on 15th December 2021, gracing the occasion an expert Dr. Rajendra Kumar, Plant Breeder, Abhimanyu Seeds Private Limited, Meerut, Uttar Pradesh was invited by the university and students gathered in the mini auditorium to attend the lecture. Packed with more than 80 students the mini auditorium transformed into an online class room with information flooding on both biological and entrepreneur aspects of commercial seed production. Dr. Rajendra used a powerpoint presentation to explain the intricate details and also engaged students with a question and answer round at the end of the online seminar. The technical workshop left students and faculties with updated knowledge on commercial seed production and how to nurture the business from ground zero.

Learning Outcomes of the Event:

1. **Topic and Speaker:** The event featured an online Technical Workshop on "Commercial Seed Production," with Dr. Rajendra Kumar, a renowned Plant Breeder from Abhimanyu Seeds Pvt. Ltd., as the speaker.
2. **Audience:** The lecture attracted a wide audience, including students and faculty members from the Agriculture departments of Quantum University, Roorkee. This diverse participation ensured a comprehensive learning experience.
3. **Informative Content:** The lecture provided valuable insights into the essential steps and intricacies of commercial seed production. Dr. Rajendra Kumar's expertise and experience contributed to a highly informative session.
4. **Presentation:** The lecture was effectively presented using a PowerPoint presentation, enhancing the understanding of the subject matter and aiding visual learners in grasping the concepts.
5. **Engagement:** A notable aspect of the event was the interactive nature of the lecture. Students were encouraged to ask questions and seek clarification, leading to a deeper understanding of the topic.
6. **Query Resolution:** Dr. Rajendra Kumar actively addressed the queries raised by the students, ensuring that all doubts and questions were satisfactorily answered. This facilitated a dynamic and engaging learning environment.

In conclusion, the online guidance on "Commercial Seed Production" held at Quantum University, Roorkee, on December 15, 2021, was a highly beneficial event for both students and faculty. Dr. Rajendra Kumar's expertise, the informative content, and the interactive nature of the lecture made it a successful endeavor, contributing to the academic growth of all participants.





Commercial Seed Production is a new career avenue for agriculture students, the guidance from the expert revealed the secrets of the venture

NUMERICAL ABILITY CLASSES FOR B.SC (PCM), BCA, B.SC (N&D), B.SC (RADIOLOGY), BA (ECO), BA (H) JM, B.COM & BBA BATCH (2020-23)

Name of Event: Numerical Ability Class

Date of Event: 6th to 10th December 2021

Hosted By: 3 Year Program, Quantum University

Number of Participants: 263 Students

Quantum University, committed to the holistic development of its students, organized a Numerical Ability training program. This program catered to students pursuing B.Sc (PCM), BCA, B.Sc (N&D), B.Sc (Radiology), BA (Eco), BA (H) JM, B.Com & BBA from the 2020-23 batch. The objective was to equip them with the essential quantitative aptitude skills required for various competitive exams at the national level.

Program Agenda:

Title: Numerical Ability
Version No.: 2.0

Course Objectives:

- **Understanding Quantitative Aptitude:** The primary goal was to provide students with a solid understanding of quantitative aptitude concepts, which are vital for success in competitive exams.

Learning Outcomes:

1. **Improved Mathematical Proficiency:** Students enhanced their mathematical skills, mastering fundamental concepts that are essential for quantitative aptitude.
2. **Competitive Exam Preparation:** The training program equipped students with the knowledge and confidence needed to excel in various national-level competitive exams.
3. **Structured Learning:** The planned curriculum and expert guidance ensured a systematic and effective learning experience.

In conclusion, Quantum University's Numerical Ability training program underscored its commitment to nurturing well-rounded and capable individuals. By providing students with essential quantitative aptitude skills, the program has empowered them to face competitive exams with confidence and competence, opening doors to numerous opportunities.



The aim of the training program was to provide a solid understanding of quantitative aptitude concepts, which are vital for success in competitive exams.

GROUP DISCUSSION AND PERSONAL INTERVIEW PREPARATION CLASSES for B.Sc (PCM), BCA, B.Sc (N&D), B.Sc (Radiology), BA (Eco), BA (H) JM, B.Com & BBA BATCH (2019-22)

Name of Event: GD/PI Preparation Classes

Date of Event: 27th November 2021

Hosted By: 3 Year Program, Quantum University

Number of Participants: 289 Students

Quantum University, recognizing the importance of preparing its students for upcoming placement interviews, organized a comprehensive Group Discussion (GD) and Personal Interview (PI) preparation class. This class was tailored for students pursuing a diverse range of programs, including B.Sc (PCM), BCA, B.Sc (N&D), B.Sc (Radiology), BA (Eco), BA (H) JM, B.Com, and BBA, all belonging to the batch (2019-22). Held on 27th November 2021, the class was conducted by expert faculty member Mr. Vaibhav Gupta. The event benefited the entire batch, comprising approximately 289 students.

Preparation Details:

The GD and PI preparation class was designed to comprehensively equip students with the necessary skills and knowledge required to excel in placement interviews. The session content was divided into five units:

Unit 1: CV Preparation	Chronological order in a CV. Do's & Don'ts in a CV
Unit 2: Presentation Skills	Newspaper Reading/News Narration/Presentation Article Writing
Unit 3: Public Speaking	Extempore Debate
Unit 4: Group Discussion	Discussions on Social/Political/Current Affairs/Economical topics
Unit 5: Professional Grooming & Mock Interviews	Tips on Professional Attire for Group Discussions & Interviews Testing student's presentation skills, speaking skills, confidence, and knowledge

Learning Outcomes of the Event:

1. **Enhanced Interview Skills:** The class effectively enhanced students' interview skills, covering various aspects such as CV preparation, presentation skills, public speaking, and group discussion techniques.
2. **Improved Communication:** Through activities like extempore and debates, students improved their public speaking and communication skills, which are essential for successful interviews.

3. **Current Affairs Awareness:** Discussions on social, political, and current affairs topics enhance students' awareness of the world around them, ensuring they are well-prepared for interview discussions on these subjects.
4. **Professional Grooming:** Students received valuable tips on professional attire for interviews and group discussions, emphasizing the importance of making a positive first impression.
5. **Mock Interviews:** Mock interviews provided students with practical experience, allowing them to assess their presentation skills, speaking skills, confidence, and knowledge. This helped them identify areas for improvement.
6. **Holistic Preparation:** The class catered to students from diverse academic backgrounds, ensuring that they were well-prepared for placement interviews regardless of their field of study.

In conclusion, Quantum University's Group Discussion and Personal Interview Preparation class was a highly beneficial initiative. It equipped students with crucial interview skills, improved their communication abilities, enhanced their awareness of current affairs, and provided practical experience through mock interviews. These Learning outcomes ensure that students are well-prepared to confidently face placement interviews and secure promising job opportunities in their respective fields.



Glimpse from the Group Discussion and Personal Interview Preparation class for myriad of students